INSTRUMENTS

MC-6400 Gas Monitor

Operator's Manual

Part Number: 71-0532

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RKI Instruments, Inc.
www.rkiinstruments.com

Product Warranty

RKI Instruments, Inc. (Manufacturer) warrants its products to be free of defects in workmanship and materials—under normal use and service—for one year from the date of purchase from the manufacturer or from the product's authorized reseller.

The manufacturer is not liable (under this warranty) if its testing and examination disclose that the alleged defect in the product does not exist or was caused by the purchaser's (or any third party's) misuse, neglect, or improper installation, testing or calibrations. Any unauthorized attempt to repair or modify the product, or any other cause of damage beyond the range of the intended use, including damage by fire, lightning, water damage or other hazard, voids liability of the manufacturer.

Any repaired or replaced product or part has either a 90-day warranty or the remainder of the initial warranty period (whichever is longer).

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Chapter 1: Introduction

Overview

This chapter briefly describes the MC-6400 Gas Monitor. This chapter also describes the *MC-6400 Gas Monitor Operator's Manual* (this document). Table 1 at the end of this chapter lists the specifications for the MC-6400.

About the MC-6400 Gas Monitor

The MC-6400 is a 64-channel gas monitor that can monitor up to 64 RS-485 Modbus output wired detector heads. The MC-6400 monitors toxic, combustible and oxygen gas levels in ambient air by receiving and displaying RS-485 Modbus signals from up to 64 wired sensor assemblies.

The MC-6400 features a 160 x 104 graphical LCD display and is equipped with four "dry contact" (Form C) 5 Amp alarm relays (with 4 Amp fuses) that can be set to any value in a channel's full-scale range.

The MC-6400 operates with either 12-35 Volts DC or 110/240 Volts AC power-in and includes a Modbus output with optional real-time monitoring software.

About this Manual

The *MC-6400 Gas Monitor Operator's Manual* uses the following conventions for notes, cautions, and warnings:

NOTE: Describes additional or critical information.

CAUTION: *Describes potential damage to equipment.*

WARNING: ***Describes potential danger that can result in injury or death.***

⚠ Caution: refer to accompanying documentation

~ Vac (AC voltage)

⎓ Vdc (DC voltage)

Specifications

Table 1 lists specifications for the MC-6400.

Table 1: MC-6400 Specifications

Input Voltage	110/240V ~ or 12 - 35 V ⎓
Current Draw	MC-6400 Alone • 275 mA at 24 VDC • 60 mA at 115 VAC MC-6400 with Powered Accessories or Powered Modbus Heads • Up to 17 A at 24 VDC • Up to 3.75 A at 115 VAC (devices powered by 24 VDC terminals)
Input Signal	RS-485 Modbus
Output	• 12 - 35 VDC (fault indicator, available at fault terminal block) • RS-485 Modbus
Construction (housing)	Fiberglass with clear window (NEMA 4)
Dimensions	12.25 in. H x 10 in. W x 6.5 in. D (31.1 cm H x 25.4 cm W x 16.5 cm D)
Weight	8 lbs.
User Controls	Program buttons: RESET/ESC, SCAN/HOLD, MENU, ADD, SUB
Display	Graphical LCD (160x104), transflective, sunlight readable, LED backlight
Relays	• 4 relays protected by a 4A fuse • 3A at 24 VDC, 115 VAC, and 250 VAC • SPDT, Form C (common, normally open, and normally closed contacts)
Standard Accessory	Operator's manual (this document)

Chapter 2: Description

Front Panel

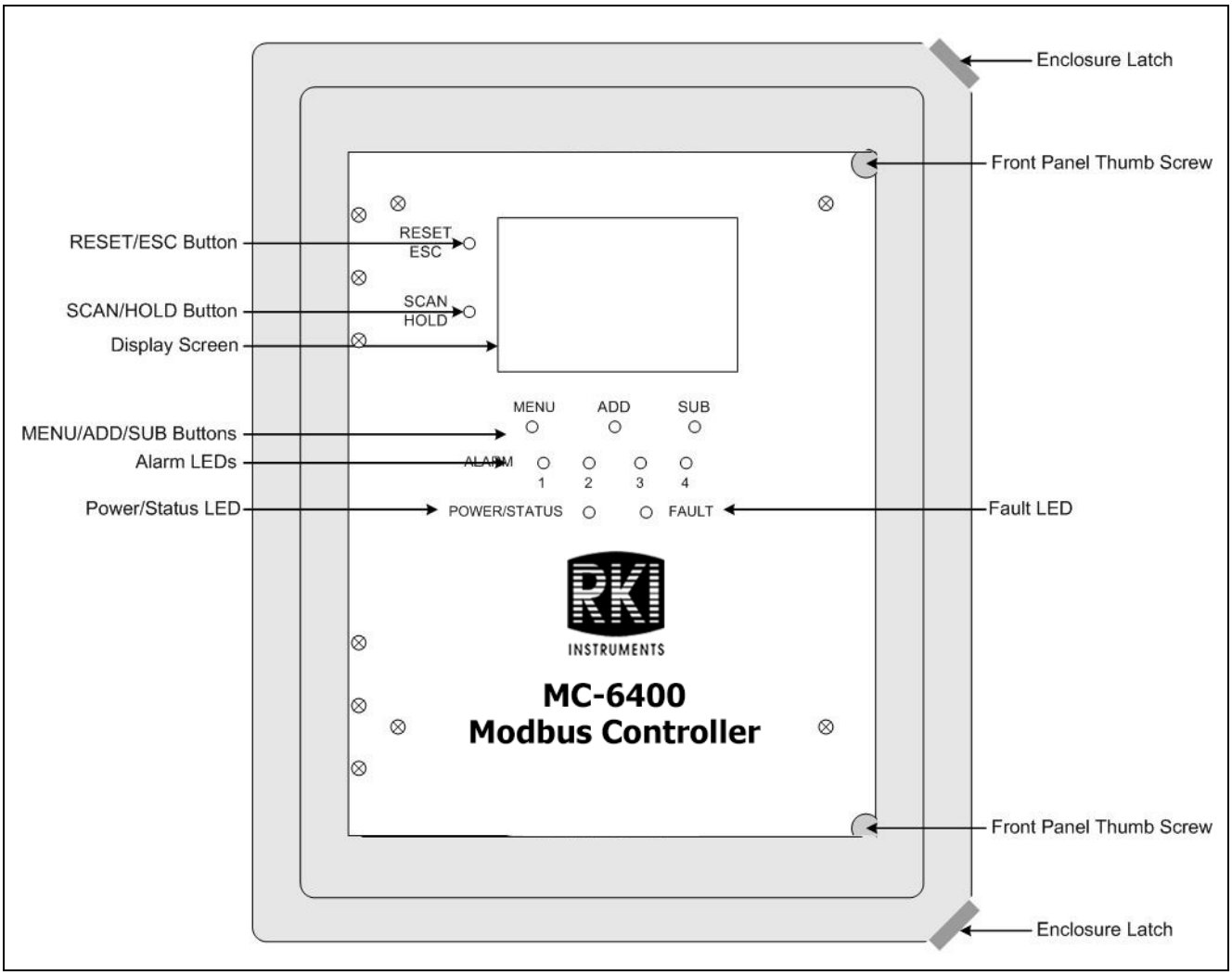

Figure 1: Front Panel

Terminal Board

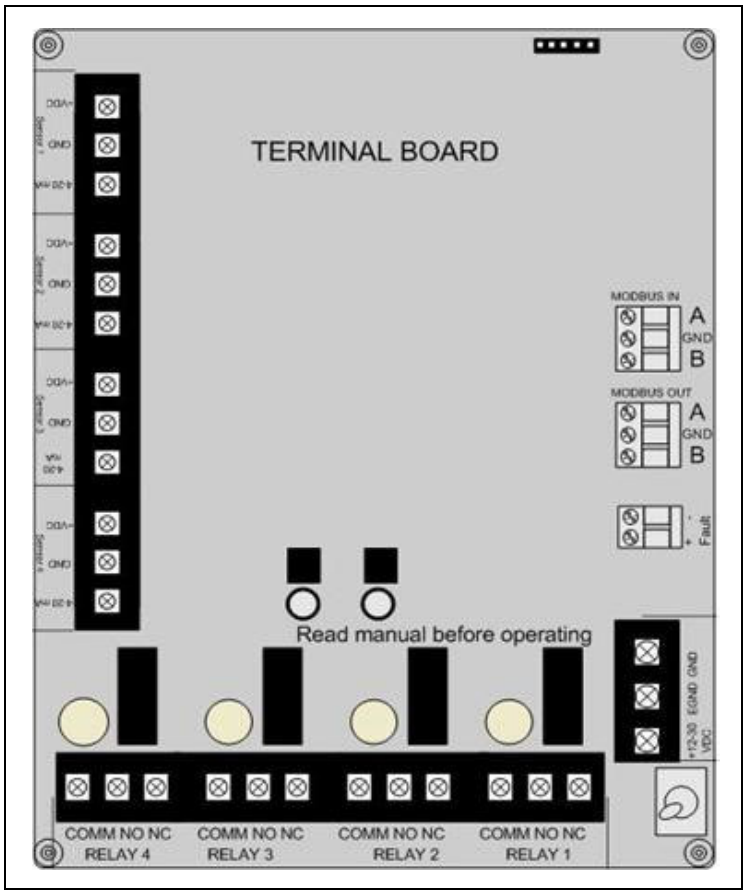

Figure 2: Terminal Board

Internal Components

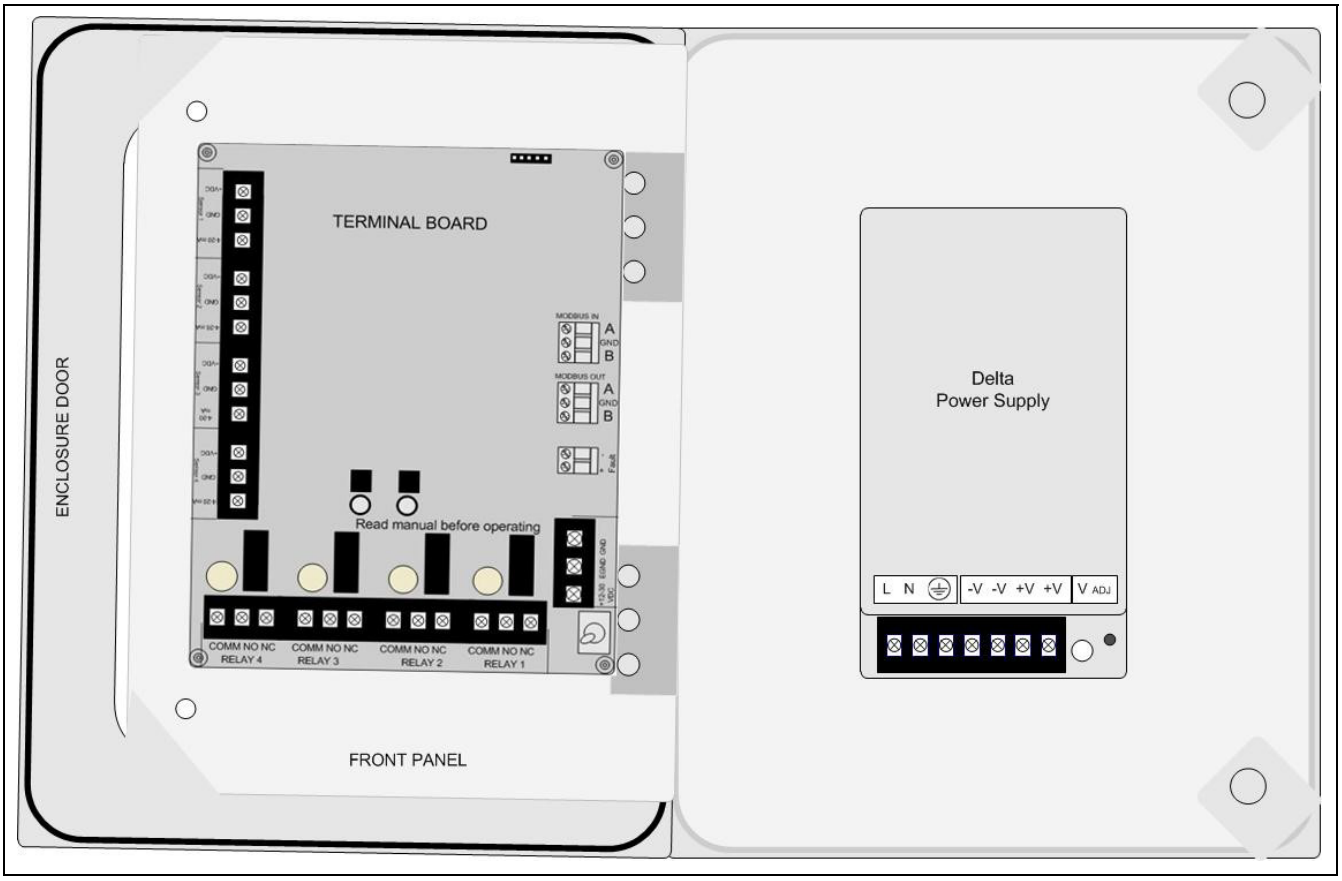

Figure 3: Internal Components

Chapter 3: Installation

Mounting the MC-6400 Gas Monitor

1. Select the mounting site. When you select the mounting site, consider the following factors:
   - Is an AC or DC power source available?
   - Is a vertical surface available to mount the MC-6400?
   - Is there enough room to open the housing door and make wiring connections?
   - Are the display screen and status lights visible?
2. Close and latch the housing door.
3. Prepare the selected mounting site as required to mount the MC-6400. It should be mounted at eye level (4 1/2 to 5 feet from the floor). Refer to Figure 4 for the outline and mounting dimensions.
4. Position the monitor on the vertical mounting surface.
5. Insert maximum 1/4” bolts or screws through the slots in the mounting feet at each corner of the housing to secure the housing to the mounting surface.

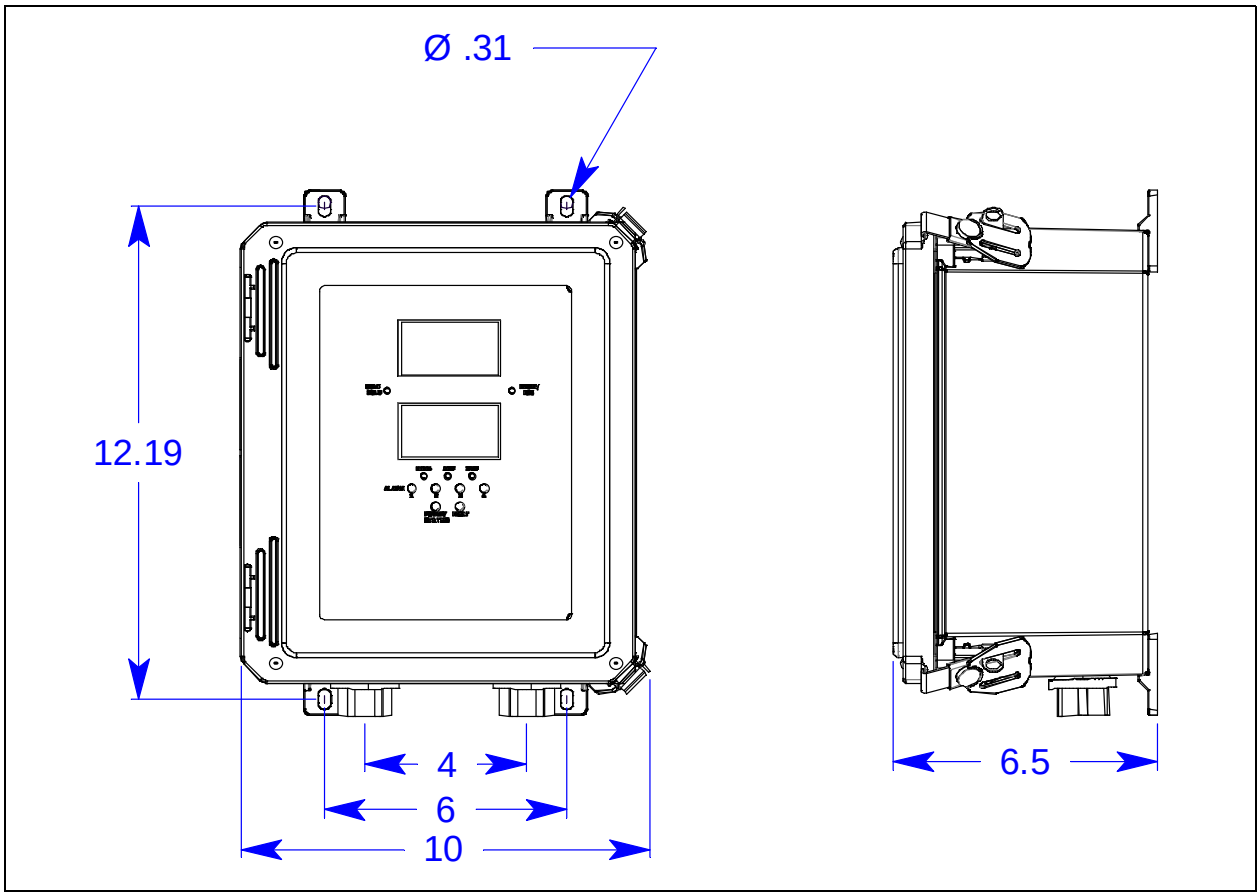

Figure 4: Outline and Mounting Dimensions

Wiring the MC-6400 Gas Monitor

This section describes procedures for DC power source wiring, AC power source wiring, Modbus out wiring, fault indicator wiring, sensor connection, and relay wiring.

The following wiring connections must be made before starting up the MC-6400.

CAUTION: *The internal components can be static sensitive. Use caution when opening the enclosure and handling internal components.*

WARNING: ***Make all connections to the MC-6400 before you plug in or turn on the AC or DC power source. Before you make any wiring adjustments, always verify that all power sources are not live.***

Connecting a DC Power Source

NOTE: The MC-6400 is shipped configured for the power type ordered. If your MC-6400 is configured for AC power, go to the next section, "Connecting an AC Power Source".

Provide a clean and stable 12-35 VDC. Failure to do so may cause the unit (and any wired sensors that are connected to the unit) to not operate properly.

Voltage spikes higher than 35 VDC may damage the unit.

1. Open the enclosure box to expose the Front Panel.
2. Unscrew the two thumb screws on the Front Panel.
3. Open the Front Panel so that the Terminal Board is exposed (back of Front Panel).
4. Install an appropriately rated cable bushing or conduit in the left-hand conduit hub on the bottom of the MC-6400 housing.

   CAUTION: *RKI Instruments, Inc. recommends routing power wiring through the left-hand conduit hub but it can be routed through the right-hand conduit hub, if desired.*

   Do not route power and detector head wiring through the same conduit hub. The power wiring may disrupt the transmission of the detector head signal to the monitor.

5. Guide the DC power wires in conduit through the left-hand conduit hub.
6. Locate the Power Terminal Block (on the lower right side of the Terminal Board) and connect the DC-live wire (red) to the terminal marked "+12-35 VDC".
7. Connect the DC-ground wire (black) to the terminal marked "GND".

8. If desired, connect an Earth Ground wire (green) to the terminal marked “EGND” (required for surge suppression).

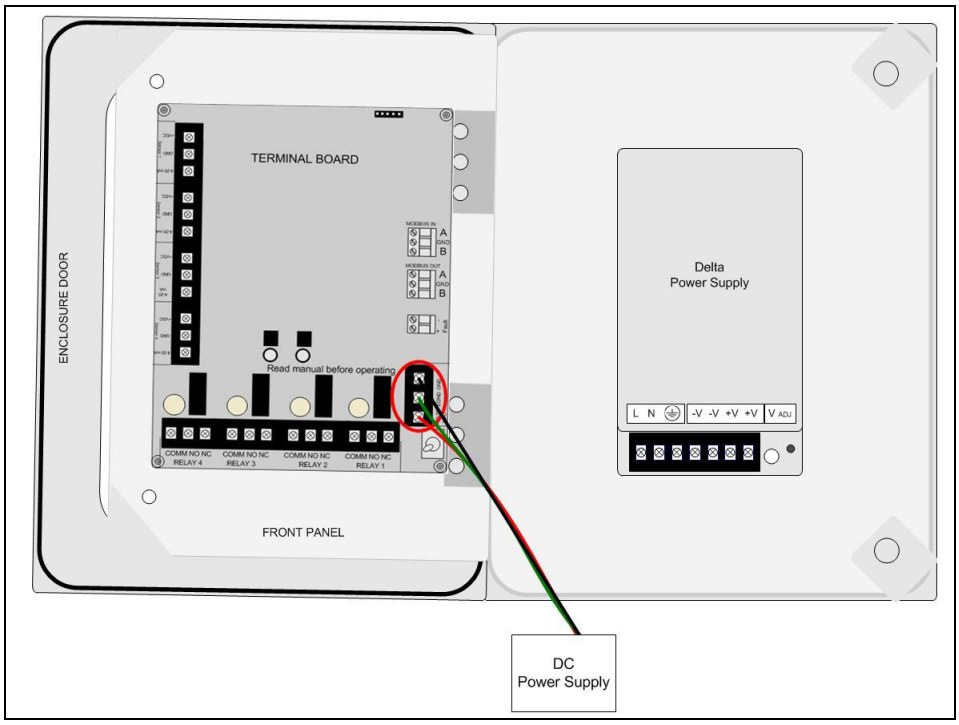

Figure 5: DC Wiring

9. Close the Front Panel.
10. Screw in the thumb-screws.
11. Close the enclosure box.
12. Clamp down the enclosure latches.

Connecting an AC Power Source

NOTE: The MC-6400 is shipped configured for the power type ordered. If your MC-6400 is configured for DC power, it will not have an AC power supply. See “Connecting a DC Power Source”.

WARNING: Verify that the power source is unplugged or turned off before you continue with this procedure.

1. Open the enclosure box to expose the Front Panel.
2. Unscrew the two thumb-screws on the Front Panel.
3. Open the Front Panel so that the AC (Delta) Power Supply is exposed.

4. Install an appropriately rated cable bushing or conduit in the left-hand conduit hub on the bottom of the MC-6400 housing.

NOTE: RKI Instruments, Inc. recommends routing power wiring through the left-hand conduit hub but it can be routed through the right-hand conduit hub, if desired.

Do not route power and detector head wiring through the same conduit hub. The power wiring may disrupt the transmission of the detector head signal to the monitor.

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5. Guide the AC power wires in conduit through the left-hand conduit hub.
6. Connect a positive (red) wire to the Power Terminal Block terminal labeled "+12-35 VDC" on the Terminal Board.
7. Connect the other end of that same positive (red) wire from the Terminal Board to the terminal labeled "+V" on the Delta power supply.
8. Connect a negative (black) wire from the Power Terminal Block terminal labeled "GND" on the Terminal Board.
9. Connect the other end of that same negative (black) wire from the Terminal Board to the terminal labeled "-V" on the Delta power supply.
10. For versions that came with a pre-wired AC line cord: there will be three wires (black, white and green) pre-wired from the Delta power supply terminals "L" (AC Load IN), "N" (AC Neutral IN), and "EG" (Chassis GND or Earth GND). This set of wires will be used to plug into an AC power outlet ONCE ALL WIRING CONFIGURATIONS ARE COMPLETE.
11. For versions that did <u>not</u> come with a pre-wired AC line cord:
    - Connect a line wire from the AC power source to the power supply's "L" terminal.
    - Connect a neutral wire from the AC power source to the power supply's "N" terminal.
    - Connect a ground wire from the AC power source to the power supply's "EG" terminal.

NOTE: If the MC-6400 was not ordered with any housing holes, at least one hole will have to be drilled to bring in AC power.

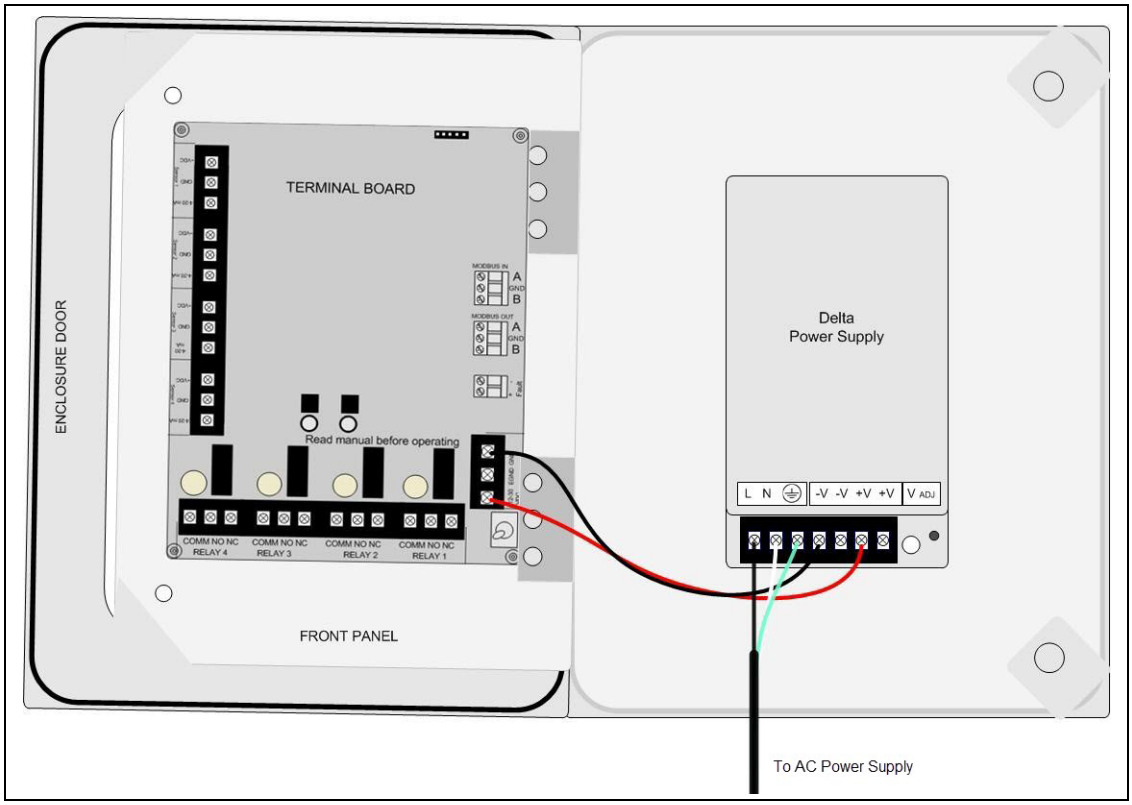


Figure 6: AC Wiring

12. Close the Front Panel.
13. Screw in the thumb-screws.
14. Close the enclosure box.
15. Clamp down the enclosure latches.

RS-485 Modbus Wiring (Modbus Out)

1. Open the enclosure box to expose the Front Panel.
2. Unscrew the two thumb-screws on the Front Panel.
3. Open the Front Panel so that the back of the Terminal Board is exposed.
4. Install an appropriately rated cable bushing or conduit in the right-hand conduit hub on the bottom of the MC-6400 housing.
5. Guide the Modbus wires in conduit through the right-hand conduit hub.

> ***CAUTION:*** *Do not route power and detector head wiring through the same conduit hub. The power wiring may disrupt the transmission of the detector head signal to the monitor.*

6. Locate the Modbus Out Terminal Block.

7. Connect the yellow wire from a DB-9 connector (or the connector-type that best suits your application) to the terminal labeled “A” on the Modbus Out Terminal Block.
8. Connect the white wire from a DB-9 connector to the terminal labeled “GND” on the Modbus Out Terminal Block.
9. Connect the brown wire from a DB-9 connector to the terminal labeled “B” on the Modbus Out Terminal Block.
10. Plug the DB-9 connector into a PLC.

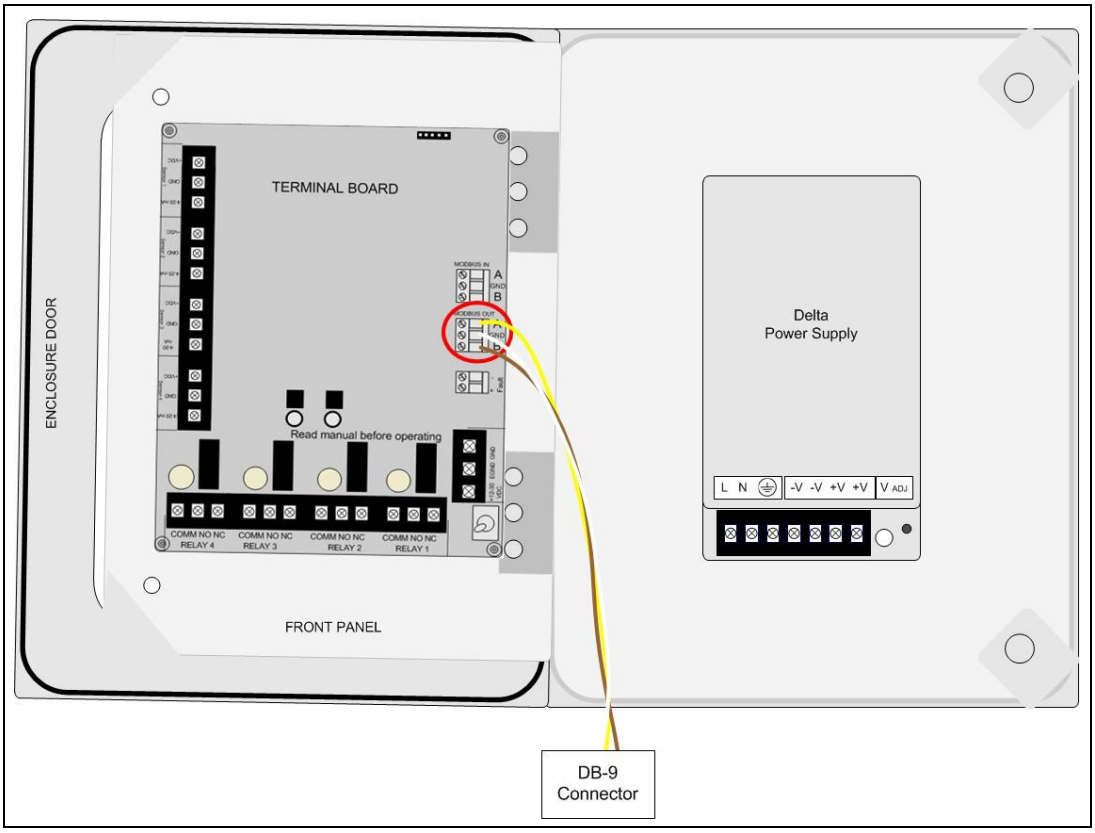


Figure 7: Modbus Out Wiring

11. Close the Front Panel.
12. Screw in the thumb-screws.
13. Close the enclosure box.
14. Clamp down the enclosure latches.

Fault Indicator Connection

The Fault terminal provides an output to power some form of Fault indicator. The Fault terminal uses the same supply voltage that is fed into the board, provides 500 mA maximum, and is a DC only output.

1. Open the enclosure box to expose the Front Panel.
2. Unscrew the two thumb-screws on the Front Panel.
3. Open the Front Panel so that the back of the Terminal Board is exposed.
4. Install an appropriately rated cable bushing or conduit in the right-hand conduit hub on the bottom of the MC-6400 housing.
5. Guide the wires in conduit through the right-hand conduit hub.

NOTE: Do not route power and detector head wiring through the same conduit hub. The power wiring may disrupt the transmission of the detector head signal to the monitor.

6. Locate the Fault Terminal Block on the Terminal Board.
7. Connect a positive (red) wire to the terminal labeled “+”.
8. Connect a negative (black) wire to the terminal labeled “-”.

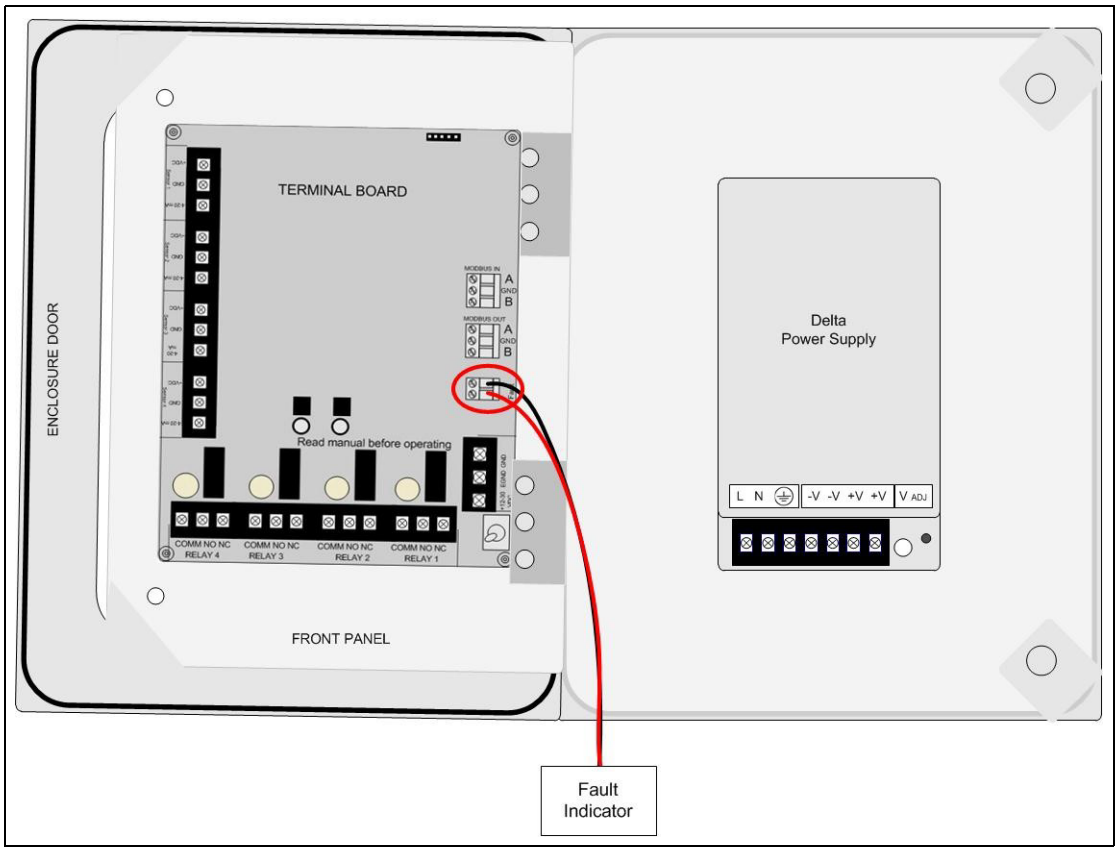


Figure 8: Fault Indicator Wiring

9. Close the Front Panel.
10. Screw in the thumb-screws.
11. Close the enclosure box.
12. Clamp down the enclosure latches.

Connecting Modbus Sensor Assemblies

The MC-6400 allows up to 64 Modbus sensor assemblies to be monitored. Proper wiring for Modbus sensor assemblies requires that one sensor assembly be wired to the Modbus In terminal, and then all consecutive sensor assemblies be daisy-chain wired to one another.

NOTE: Sensors must be wired using the Modbus In Terminal Block. Sensor 1-4 Terminal Blocks are not used on the MC-6400.

1. Open the enclosure box to expose the Front Panel.
2. Unscrew the two thumb-screws on the Front Panel.
3. Open the Front Panel so that the back of the Terminal Board is exposed.
4. Install an appropriately rated cable bushing or conduit in the right-hand conduit hub on the bottom of the MC-6400 housing.
5. Guide the Modbus wires in conduit through the right-hand conduit hub.

   NOTE: Do not route power and detector head wiring through the same conduit hub. The power wiring may disrupt the transmission of the detector head signal to the monitor.

6. Locate the Modbus In Terminal Block on the Terminal Board.
7. Wire sizes based on distance are shown in the table below:

Distance	Wire Type
100 feet	• 22 - 24 AWG wire • Twisted pairs (shielded if in high-noise area)
101 - 1000 feet	• 18 - 20 AWG wire • Twisted pairs (shielded if in high-noise area)
1001 - 4000 feet	• 18 - 20 AWG wire • Twisted pairs (shielded if in high-noise area) • Terminating resistors may be required (on last device in chain)

8. For an M2A detector head, connect:
   - M2A “A” to MC-6400 “B”
   - M2A “B” to MC-6400 “A”
   - M2A “C” to MC-6400 “GND”

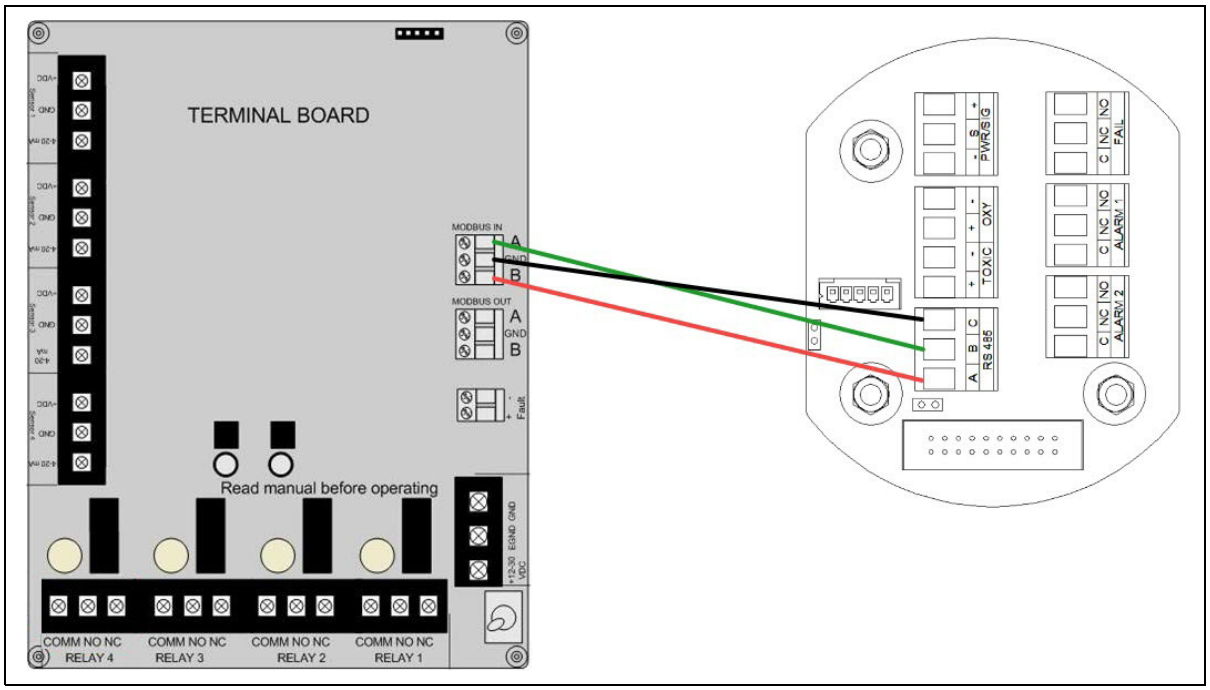


Figure 9: M2A Wiring

9. For a VOC Pro or T3A detector head, connect:
    - Detector “A” to MC-6400 “A”
    - Detector “B” to MC-6400 “B”
    - Detector “G” to MC-6400 “GND”

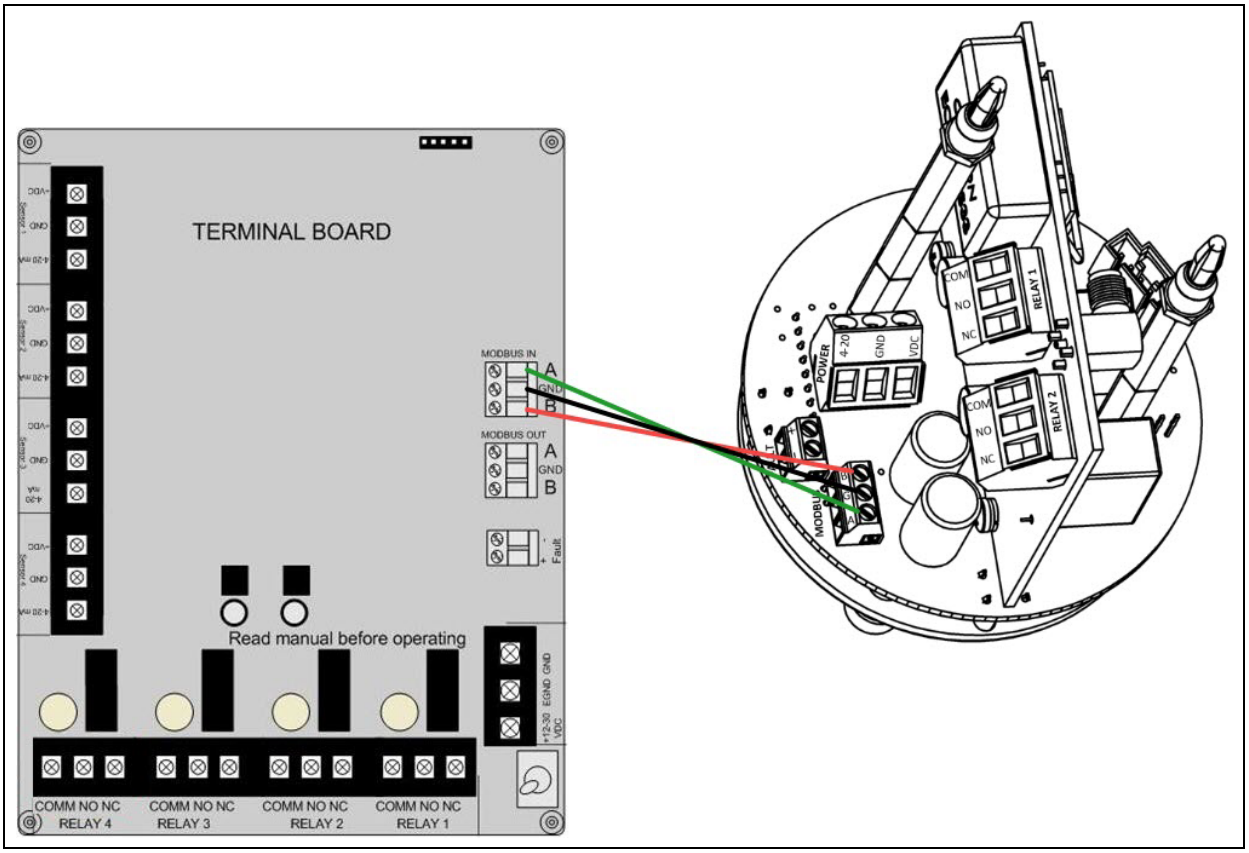


Figure 10: VOC Pro and T3A Wiring

10. For an AC-7408 or AC-7412, connect:
    - AC-7408/AC-7412 “A” to MC-6400 “A”
    - AC-7408/AC-7412 “B” to MC-6400 “B”
    - AC-7408/AC-7412 “G” to MC-6400 “GND”

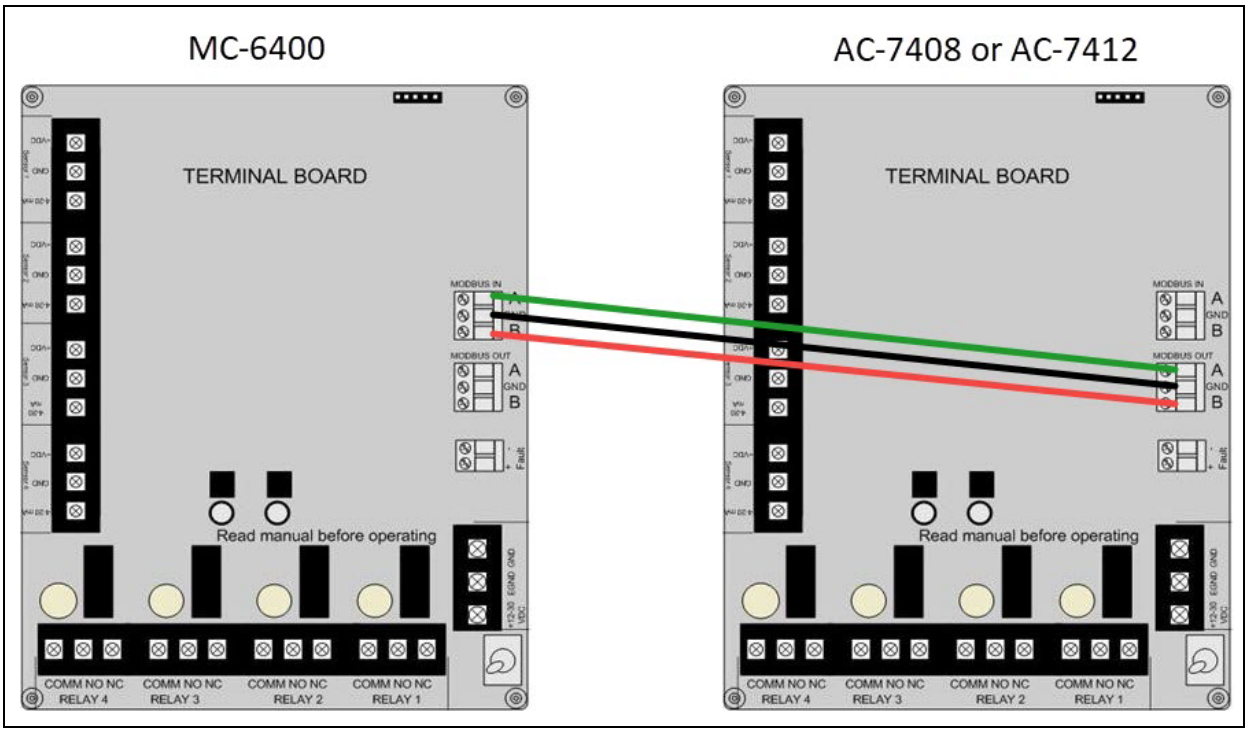
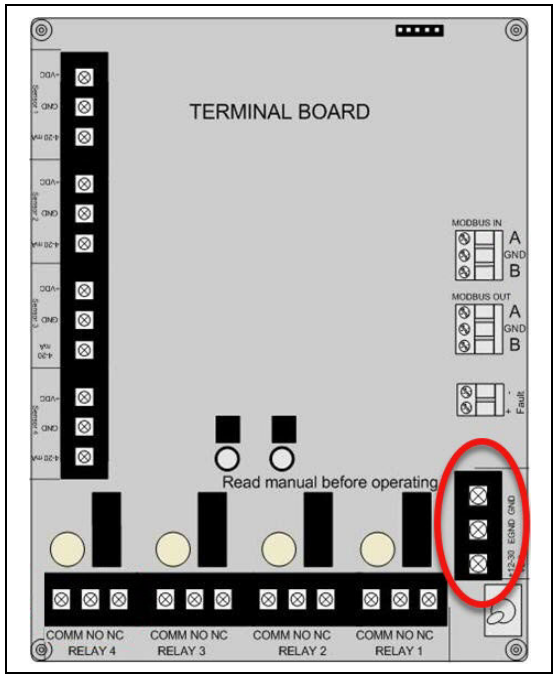


Figure 11: AC-7408 and AC-7412 Wiring

11. If necessary, any Modbus sensor assemblies requiring 24 VDC can be powered by the “+12-35 VDC” and “GND” terminals on the Power Terminal Block in the lower right corner of the Terminal Board.

NOTE: Use 14 AWG or 16 AWG wire depending on the wiring distance and the number of heads being powered.



12. Close the Front Panel.
13. Screw in the thumb-screws.
14. Close the enclosure box.
15. Clamp down the enclosure latches.

Using Modbus Sensors with RKI Instruments, Inc. Monitors

NOTE: For additional Modbus information, see page 43.

Certain monitors sold by RKI Instruments, Inc. have the capability of accepting Modbus sensor inputs. Modbus is a communication protocol that uses an RS-485 serial connection, and can accept a number of different devices.

Based on the type of circuit used, there is a limit on how many devices can be connected to a Modbus sensor network. Currently, there is a limit of 64 devices on a single network. The data is transferred along the Modbus network at a specified rate, which means that there will be a small delay proportional to the number of connections.

Proper Connection

The physical length of a Modbus connection from the monitor to the last sensor cannot exceed 4000 feet. Twisted pair is required for connections, and shielded twisted pair is recommended if there will be any additional noise in the area of operation (such as motors, switching relays, etc.). Also, while 22-24 AWG wire is sufficient for shorter distances, for distances greater than 100ft, 18-20 AWG wire is recommended.

The proper way to connect a Modbus network is to "daisy-chain" the devices. This means that the signal of each sensor is run to the signal of the following sensor and that the first sensor is connected directly to the monitor.

Terminating resistors should be used for distances greater than 1000ft. In a daisy-chained network, if the terminating resistor is required, it should be placed at the last device in the chain.

Figure 12 and Figure 13 show correct and incorrect daisy-chain wiring methods.

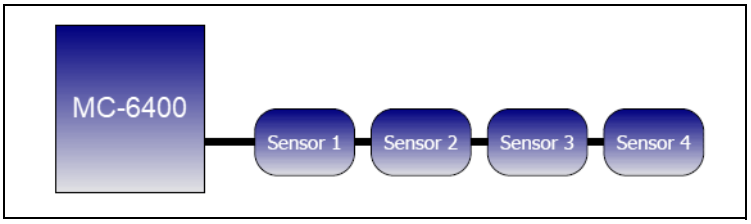


Figure 12: Correct Modbus Wiring

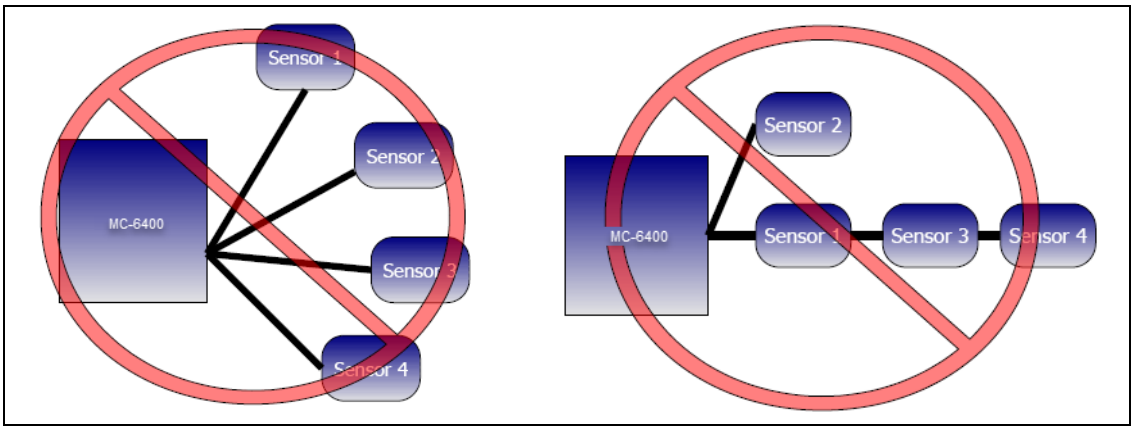


Figure 13: Incorrect Modbus Wiring

Relay Wiring

The MC-6400 has four relays. Each of the four relays may be setup as Normally Open (NO) or Normally Closed (NC). See page 41 for more explanation about relay actuation.

1. Locate the Relay Terminal Blocks on the Terminal Board.
2. Install an appropriately rated cable bushing or conduit in the right-hand conduit hub on the bottom of the MC-6400 housing.
3. Guide the wires in conduit through the right-hand conduit hub.

> ***CAUTION:*** *Do not route power and detector head wiring through the same conduit hub. The power wiring may disrupt the transmission of the detector head signal to the monitor.*

4. Connect the alarm device's power (BLUE) terminal to the **NO** or **NC** terminal on the relay terminal block.

> **NOTE:** It is recommended that the relay connections are wired as normally-open (NO). However, normally-closed (NC) wiring configurations provide an inherent fail-safe and may be preferred.

5. Connect the alarm device's ground terminal (BLACK) to an external power source's "-" terminal.

6. Connect the external power source's "+" terminal (RED) to the COM terminal on the relay terminal block.

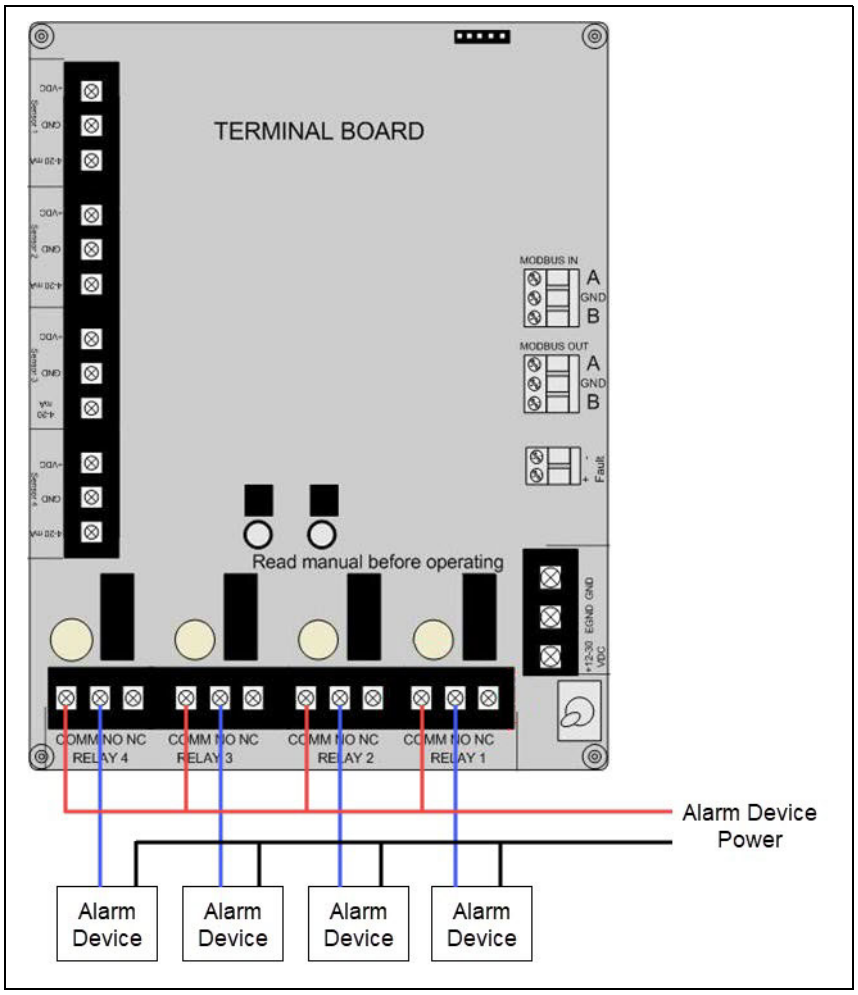


Figure 14: Relay Wiring

Chapter 4: Startup and Operation

Power On/Off

Powering on the device activates its functions. When powered on, the device is fully functional and access to system and settings menus is allowed.

CAUTION: *The internal components can be static sensitive. Use caution when opening the enclosure and handling internal components.*

Once power is supplied to the MC-6400—by being plugged into an AC outlet or by being wired to a DC power supply—the display screen and LEDs will illuminate.

To cycle the Terminal Board power, flip the Power Switch (located on the lower right side of the Terminal Board) to the OFF (and then ON) position.

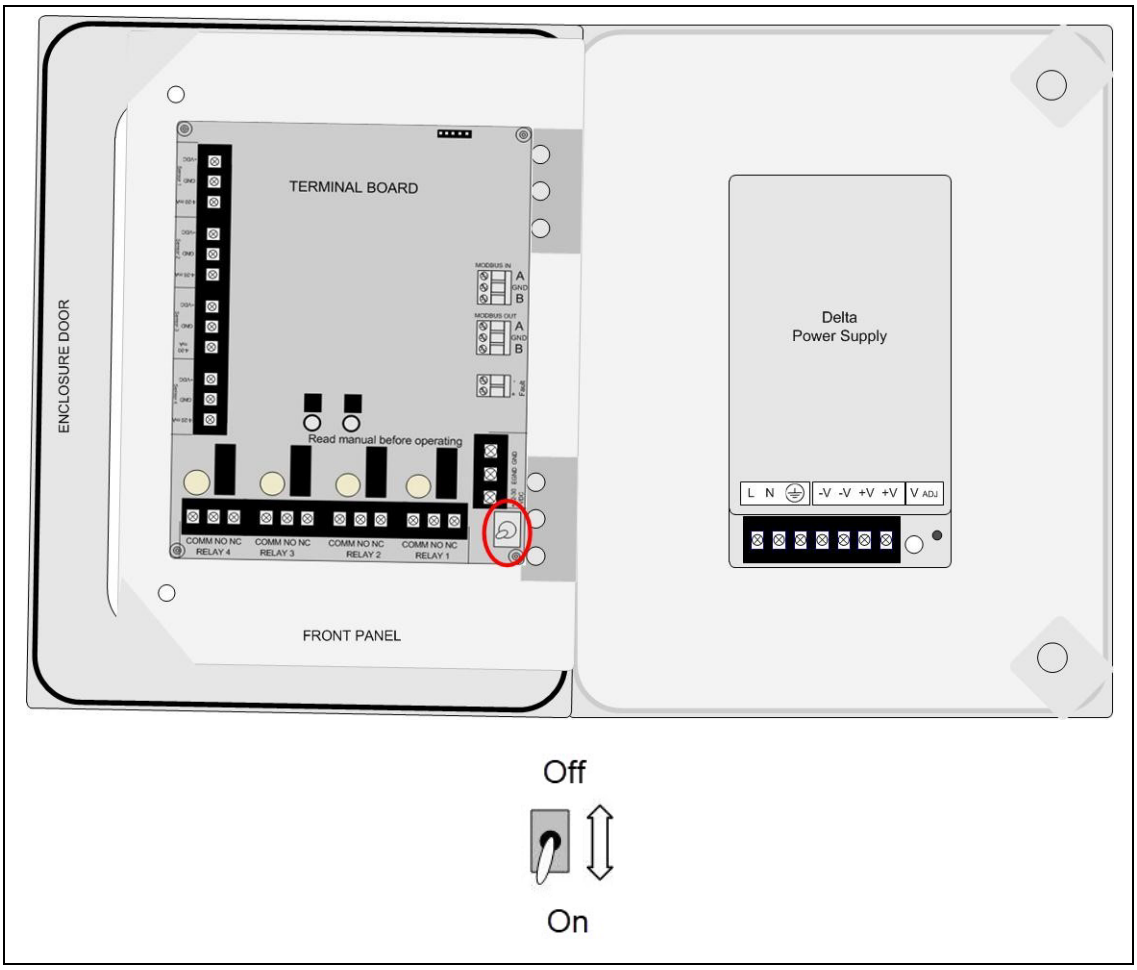


Figure 15: Power Switch Location

Normal Operating Mode

In Normal Operating Mode, the display shows the channel number, Modbus address, gas reading, alarm status, gas units, and gas name for 2 channels at a time. The instrument automatically scrolls through the active channels, 2 channels at a time, in 3-second intervals.

CH	3-3	4-4
RDG	0	0
ALM		
UNT	PPM	PPM
GAS	H2S	H2S

Holding Channels

This feature can be used to monitor a select channel, rather than the continuous scanning of channels while in Normal Operating Mode.

1. Open the enclosure box.
2. Locate *SCAN/HOLD* on the Front Panel.
3. Press *SCAN/HOLD* once to “freeze” the channel scan sequence.
4. Press *ESC* to return to Normal Operating Mode.

NOTE: The device will automatically return to Normal Operating Mode after five minutes of inactivity.

5. Close the enclosure box.
6. Clamp down the enclosure latches.

LED Functionality

LED	Color / Status	Description
ALARM 1	off	No alarm condition has occurred on 1 since the last reset or power up
	solid red	An alarm condition is currently happening on 1
	blinking red	An alarm condition has occurred on 1, but condition has now gone
ALARM 2	off	No alarm condition has occurred on 2 since the last reset or power up
	solid red	An alarm condition is currently happening on 2
	blinking red	An alarm condition has occurred on 2, but condition has now gone
ALARM 3	off	No alarm condition has occurred on 3 since the last reset or power up
	solid red	An alarm condition is currently happening on 3
	blinking red	An alarm condition has occurred on 3, but condition has now gone
ALARM 4	off	No alarm condition has occurred on 4 since the last reset or power up
	solid red	An alarm condition is currently happening on 4
	blinking red	An alarm condition has occurred on 4, but condition has now gone
Fault	off	No Fault condition has occurred on any sensor unit since the last reset or power up
	solid orange	A Fault condition is currently happening on at least one sensor unit
POWER/STATUS	red	A Fault condition is occurring on the monitor
	blue	Normal Operating Mode

1. Press and release *RESET/ESC* to clear an alarm indication once the alarm condition has cleared.

Chapter 5: Setup Mode

Overview

This mode is used for: Channel Settings (On/Off, Detector Type, Modbus Address, Modbus Baud, Modbus Parity), Relay Settings (On/Off, Low/High, Value, Latching/Unlatching), and System Information.

NOTE: Each channel must be set up individually.

NOTE: To exit Setup Mode at any time, press ESC.

Entering Setup Mode

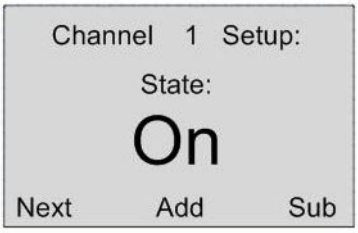
1. Open the enclosure box.
2. From Normal Operating Mode, press and hold *MENU* and *ADD* for 8 seconds to enter Setup Mode.

Channel Settings

1. Channel Selection: Once in Setup Mode, press *ADD* (increase) or *SUB* (decrease) to select the channel you want to set up (1-64).

NOTE: To view system information, scroll up from channel 64 or down from channel 1.

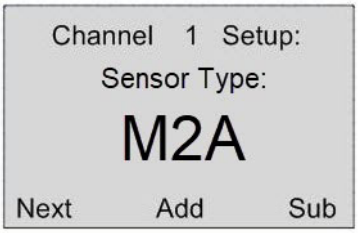
2. Press *MENU* (Next).
3. Channel On/Off: Press *ADD* or *SUB* to change the state of the channel to On or Off.



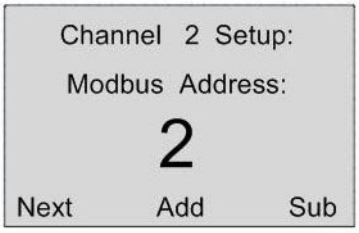
4. Press *MENU* (Next).

NOTE: All channels must be setup as On/Off before the information screen is available. If the channel is set to "On", additional settings will be available to set. If the channel is set to "Off", there will be no additional settings available for that channel, and pressing MENU will allow the user to move to the next channel to be set to On/Off. Once all 64 channels are set, press MENU once more to view System Information (see page 32).

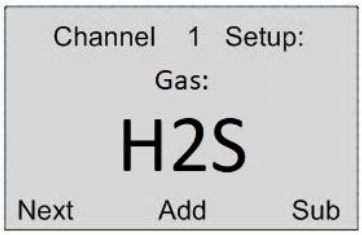
5. Detector Type: Press *ADD* or *SUB* to change the detector head type to T3A/VOC Pro (factory setting), M2A, AC-7408, AC-7412, or SEC-3100 for the channel being setup.



6. Press *MENU* (Next).
7. Modbus Address: Press *ADD* (increase) or *SUB* (decrease) to manipulate the Modbus Address setting (between 1 and 247) for the channel being setup.



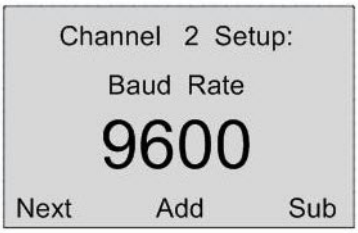
8. Press *MENU* (Next).
9. Gas Type (for SEC-3100 detector types only): Press *ADD* or *SUB* to select a gas type. The choices are: H2S, SO2, O2, CO, Cl2, CO2, LEL,VOC, HCl, NH3, H2, CLO2, HCN, F2, HF, CH2O, NO2, O3, NO, PH3, HBr, Eto, CH3SH, AsH3, R410A, R1234, R32, None, SF6, SiH4, B2H6, BF3.



10. Press *MENU* (Next).

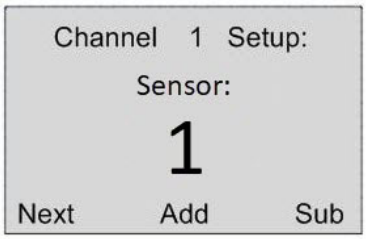
11. Baud: Press *ADD* (increase) or *SUB* (decrease) to manipulate the Baud setting to 4800, 9600 (factory setting), or 19200 for the channel being setup.

NOTE: This screen does not appear for the SEC-3100 detector type.



12. Press *MENU* (Next).

13. Sensor Selection (for AC-7408 and AC-7412 detector types only): Press *ADD* or *SUB* to select the sensor number on the AC-7408 (1-8)/AC-7412 (1-12) to assign to the channel.



14. Press *MENU* (Next).

15. Parity: Press *ADD* (increase) or *SUB* (decrease) to manipulate the Parity setting to even (factory setting), odd, or none for the channel being setup.

NOTE: This screen does not appear for AC-7408, AC-7412, or SEC-3100 detector types.

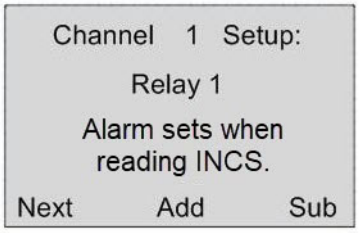
16. Press *MENU* (Next).

Relay Settings

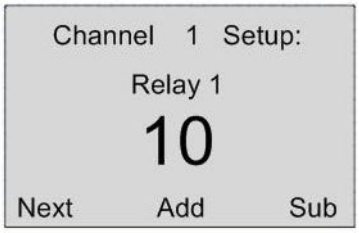
See page 41 for more explanation about relay actuation.

1. Relay On/Off: Press *ADD* or *SUB* to manipulate the relay's On/Off status. The On/Off status affects whether a relay is active on the selected channel or not.

2. Press *MENU* (Next).
3. Relay Increasing/Decreasing: Press *ADD* or *SUB* to manipulate the relay's Increasing/ Decreasing status.



4. Press *MENU* (next).
5. Relay Threshold: Press *ADD* (increase) or *SUB* (decrease) to manipulate the threshold value (1-65,000).



6. Press *MENU* (Next).
7. Relay Latch/Auto Reset: Press *ADD* or *SUB* to manipulate the relay's Latching/Auto Resetting status.

8. Press *MENU* (Next).
9. Repeat Step 1 through Step 8 for the remaining relays.

10. Once all four relays have been setup, the display screen will show the following:

```
Duplicate this
Channel's settings?

No        Yes
```

11. Based on the specific application, choose one of the following steps to complete:
    - Press *MENU* (Next) to setup the next channel (or continue to system information)
    - Press *ADD* (Yes) to duplicate the settings to all consecutive channels—and *ADD* (Yes) again to confirm the operation
    - Press ESC to exit Setup Mode

View System Information

After the last channel is set, press *MENU* to view the system's information, including the:

- Build Date (Example: 01/01/2011)
- Serial # (Example: H00001)
- Unit Type: MC-6400
- Version (Example: 2.0)
- Build (Example: 2)

```
INFORMATION
Date:  01/01/2011
Serial  #:  H00001
Unit: MC-6400
Version:  2.0
Build:  2
```

Exiting Setup Mode

Complete the following steps to exit Setup Mode at any time.

1. Press *ESC* at any time to exit Setup Mode.
2. Close the enclosure box.
3. Screw in the thumb-screws.
4. Clamp down the enclosure latches.

NOTE: The monitor will automatically exit Setup Mode after 15 minutes.

Chapter 6: Advanced Configuration Menu

Overview

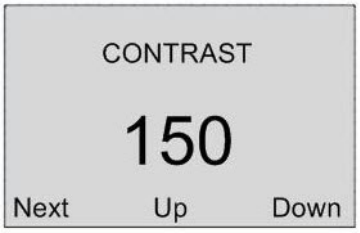
This mode is used to: adjust LCD contrast, restore factory default settings, set up the fault relay, and set up global Modbus parameters.

Entering the Advanced Configuration Menu

1. Open the enclosure box to expose the Front Panel.
2. Cycle the unit's power (turn OFF, then ON). For instructions on how to cycle the unit's power, see page 25.
3. When the RKI Logo appears on the Display Screen, press *MENU*.

Adjusting the LCD Contrast

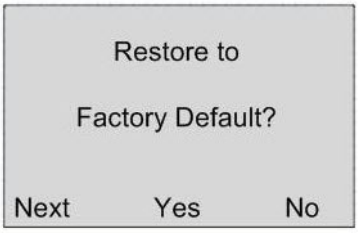
1. Press *ADD* (increase) or *SUB* (decrease) to manipulate the LCD contrast.



2. Press *MENU*.

Restore Factory Default Settings

1. Press *ADD* or *SUB* (Yes/No—as indicated on the display screen) to set the unit back to the factory's default settings. To leave the settings as they are, press *MENU* (Next).



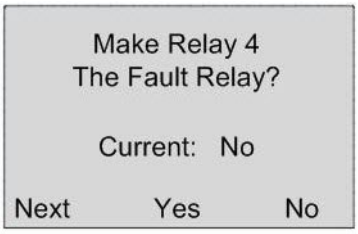
Factory settings are:

Table 2: MC-6400 Factory Default Settings

Channel Setup (1-64)	All set to “On”
Relay Settings	10, 15, 20 and 25
Relay Setup	“Auto Reset” / “Increasing”
Modbus Output Baud	9600
Modbus Output Address	1
Channel Addresses	1-64
Channels 1-64 Baud Rates	9600

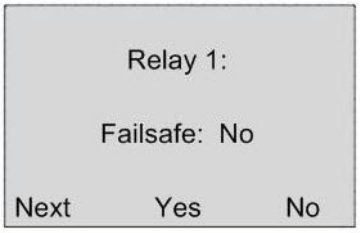
Fault Relay Setup

1. Set Fault Relay: Press *ADD* or *SUB* (Yes/No—as indicated on the display screen) to setup Relay 4 as the Fault Relay. To leave the setting as it is, press *MENU* (Next).

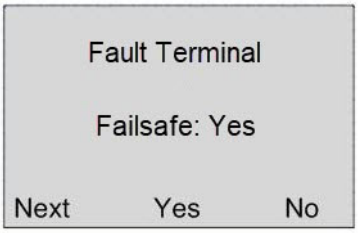


NOTE: With this feature enabled, if any Fault occurs (on any channel) the Fault Relay is engaged. In addition, Relay 4 is removed from all setup options.

2. Failsafe: Press *ADD* or *SUB* (Yes/No—as indicated on the display screen) to setup Relay 1 as failsafe (or not failsafe). To leave the setting as it is, press *MENU* (Next).

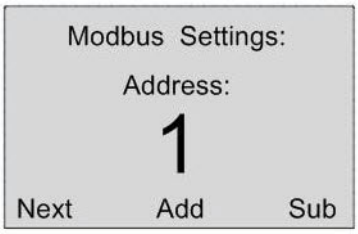


3. Repeat Step 1 through Step 3 for Relays 2, 3, and 4.
4. Fault Failsafe: Press *ADD* or *SUB* (Yes/No—as indicated on the display screen) to setup the Fault terminal as failsafe (or not failsafe). To leave the setting as it is, press *MENU* (Next).



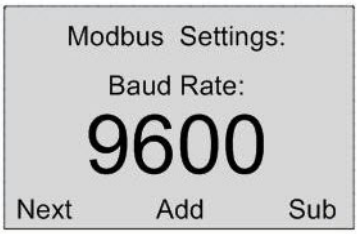
Modbus Setup

1. Global Modbus Address: Press *ADD* (increase) or *SUB* (decrease) to manipulate the global Modbus Address setting (between 1 and 247).



2. Press *MENU* (Next).
3. Global Baud: Press *ADD* (increase) or *SUB* (decrease) to manipulate the global Baud setting to: 4800, 9600, or 19200.

NOTE: Baud default is 9600.



4. Press *MENU* (Next) to exit the Advanced Configuration Menu and return to Normal Operating Mode.

Exiting the Advanced Configuration Menu

1. Press *ESC* at any time to exit the Advanced Configuration Menu.
2. Close the enclosure box.
3. Clamp down the enclosure latches.

Chapter 7: Maintenance

Calibration Mode

Entering Calibration Mode disables the relays and allows the sensors to be calibrated without triggering alarms. Once in Calibration Mode, the unit will remain in this state for two hours—unless *RESET/ESC* is pressed.

1. Open the enclosure box to expose the Front Panel.
2. To enter Calibration Mode, from Normal Operating Mode, press and hold *MENU* for 5 seconds.
3. Once in Calibration Mode, the display screen will show “CAL” beside the “ALM” identifier.

C - A	3 – 3	4 – 4
RDG		
ALM	CAL	CAL
UNT	PPM	PPM
GAS	H2S	H2S

4. To return to Normal Operating Mode, press *RESET/ESC*.

NOTE: If RESET/ESC is not pressed, the unit will remain in Calibration Mode for two hours.

5. Close the enclosure box.
6. Clamp down the enclosure latches.

Relay Test Mode

Relay Test Mode activates each relay and can be used to determine whether or not the relays and attached alarms are functioning properly.

1. Open the enclosure box to expose the Front Panel.
2. To enter Relay Test Mode, from Normal Operating Mode, press and hold *RESET/ESC*.
3. Starting with Relay 1, the relays will activate in 5-second intervals.

C - A	3 – 3	4 – 4
RDG		
ALM	TEST	TEST
UNT	PPM	PPM
GAS	H2S	H2S

4. To return to Normal Operating Mode, release and press *RESET/ESC*.

5. Close the enclosure box.
6. Clamp down the enclosure latches.

Troubleshooting

Table 3 describes symptoms, probable causes, and recommended actions for the most common problems you may encounter with the MC-6400.

NOTE: This troubleshooting guide describes **MC-6400** problems only. See the detector head operator's manuals for preventive maintenance procedures that apply to the detector heads installed on your MC-6400.

Table 3: Troubleshooting the MC-6400

Condition	Probable Causes	Recommended Action
Fault 1 (F1)	The top card has lost communication with the digital sensor board (the board potted into the sensor housing).	1. Check the connections and/or try new digital sensor board.
Fault 4 (F4)	• The top card is losing communication to the analog sensor board • On VOC Pro and T3A units, F4 means that the Analog to Digital Conversion (ADC) on the analog sensor board is not communicating to the digital sensor board. • On the AirLink 6900 and T2A units, F4 means the top card is not communicating with the analog sensor board. • When the sensor element is a Low Power IR sensor the sensor element itself could be the issue. Also, there might not be an issue because sometimes sensor assemblies will show F4 for a few seconds after boot up. This is normal and is due to the boot up of the sensor element itself.	1. Check the orientation of the analog sensor board and/or try a new analog sensor board. 2. Check the connections from the top card all the way to the analog sensor board. If that does not fix the fault, try replacing the analog sensor board and/or the sensor housing.
Fault 10 (F10)	When using a monitor with wired sensor assemblies attached, the sensor is not communicating with the monitor. The problem could be that the sensor assembly is not connected properly, or there may be board issues with the sensor or monitor.	1. Check all connections. If there is a 4-20mA connection, use a current meter inline to see if the current is correct.

Table 3: Troubleshooting the MC-6400 (Continued)

Condition	Probable Causes	Recommended Action
Fault 13 (F13)	When using a monitor with a 4-20mA wired connection, F13 may appear when the sensor assembly is in a fault condition.	1. Since it is 4-20mA, the monitor does not know the exact fault condition. Therefore, check the sensor assembly to see what the fault is and then consult other items in this chart for a solution.
Fault 15 (F15)	This fault is no longer assigned. If “F15” is displayed on a sensor assembly, the firmware should be updated.	1. Update the firmware.

Chapter 8: Parts List

Table 4 lists the part numbers and descriptions for replacement parts and accessories offered for the MC-6400 Gas Monitor.

Table 4: Parts List, MC-6400 Gas Monitor

Part No.	Description
18-0107RK	Conduit hub (3/4 in.)
51-0096RK	Strobe/horn, 10 - 33 VDC, NEMA 4X
51-0170	Strobe, amber, 12 - 48 VDC, NEMA 4X
51-0171	Strobe, blue, 12 - 48 VDC, NEMA 4X
51-0174	Strobe, red, 12 - 48 VDC, NEMA 4X
71-0532	MC-6400 Gas Monitor Operator's Manual (this document)

Appendix A: Relay Operation

Relays are offered in certain RKI devices for the purpose of activating alarms, horns, and other equipment upon the detection of gas.

There are two key terms to remember when using relays.

- Deactivated: refers to a relay in its normal state
- Activated: refers to a relay in an alarm state

“Dry” Contact and “Wet” Contact Relays

In regard to power, there are two types of relays.

1. Dry Contact Relays: This type of relay does not provide power to the equipment attached to it (i.e. if there is a light hooked up to this type of relay, it must be powered by another source).
2. Wet Contact Relays: This type of relay does provide power to the equipment attached to it (i.e. if a light was hooked up to this type of relay, it would be powered by the relay). When using a Wet Contact Relay, power should run through the “COMM” terminal to the end equipment.

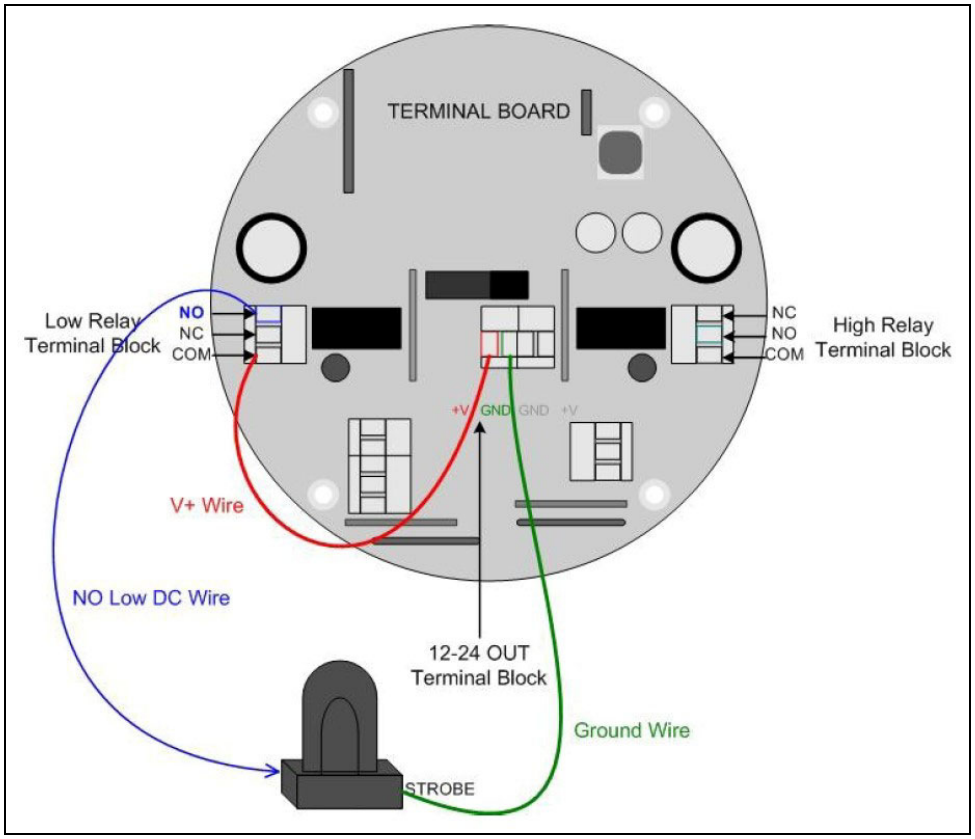


Figure 16: “Dry” Contact Relay Configured as a “Wet” Contact

Failsafe Setting's Effect on Normally-Open/Normally-Closed Contacts

If Failsafe is set to No, the relays are de-energized in normal operation and energize when the appropriate alarm circuit is activated. The NO (normally open) relay contacts are open during non-alarm operation and close when the appropriate alarm condition occurs. The NC (normally closed) relay contacts are closed during non-alarm operation and open when the appropriate alarm condition occurs.

If Failsafe is set to Yes, the relays are energized in normal operation and de-energize when the appropriate alarm circuit is activated. The NO (normally open) relay contacts are closed during non-alarm operation and open when the appropriate alarm condition occurs. The NC (normally closed) relay contacts are open during non-alarm operation and close when the appropriate alarm condition occurs.

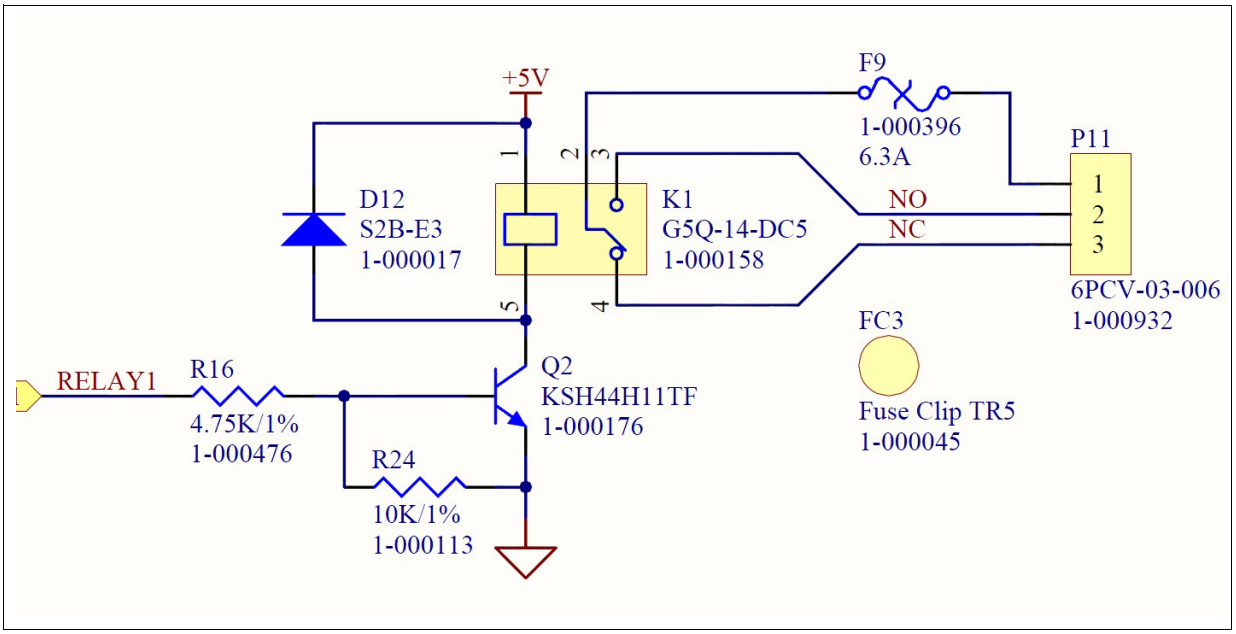


Figure 17: Relay Circuit Schematic

Appendix B: RS-485 Modbus Output

Modbus Terms

Modbus: RTU
Setting: Baud Rate = 9600
Data Bits: 8
Parity: None
Stop Bits: 1
Time Out: 1000 ms
Device Address: 1-247
Data Type: Holding Registers
Start Address: The first register the user would like to view (must be between 1-255)
Length: Depends on the number of addresses the user would like to view
Scan Rate:1000 ms
Data Format: Hex, Decimal, Float

Register Map

MC-6400 Modbus Register Map

Register Address (Hexadecimal)	Register Address (Decimal)	Data Description	R/W	Length (In Bits)	Units	Valid Response
Radio Data						
1	1	Channel 1 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
2	2	Channel 2 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
3	3	Channel 3 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
4	4	Channel 4 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
5	5	Channel 5 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
6	6	Channel 6 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
7	7	Channel 7 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
8	8	Channel 8 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
9	9	Channel 9 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
A	10	Channel 10 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
B	11	Channel 11 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
C	12	Channel 12 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
D	13	Channel 13 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
E	14	Channel 14 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
F	15	Channel 15 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
10	16	Channel 16 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
11	17	Channel 17 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
12	18	Channel 18 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
13	19	Channel 19 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
14	20	Channel 20 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
15	21	Channel 21 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
16	22	Channel 22 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
17	23	Channel 23 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
18	24	Channel 24 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
19	25	Channel 25 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
1A	26	Channel 26 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
1B	27	Channel 27 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
1C	28	Channel 28 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
1D	29	Channel 29 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
1E	30	Channel 30 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
1F	31	Channel 31 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off

20	32	Channel 32 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
21	33	Channel 33 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
22	34	Channel 34 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
23	35	Channel 35 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
24	36	Channel 36 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
25	37	Channel 37 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
26	38	Channel 38 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
27	39	Channel 39 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
28	40	Channel 40 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
29	41	Channel 41 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
2A	42	Channel 42 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
2B	43	Channel 43 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
2C	44	Channel 44 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
2D	45	Channel 45 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
2E	46	Channel 46 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
2F	47	Channel 47 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
30	48	Channel 48 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
31	49	Channel 49 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
32	50	Channel 50 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
33	51	Channel 51 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
34	52	Channel 52 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
35	53	Channel 53 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
36	54	Channel 54 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
37	55	Channel 55 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
38	56	Channel 56 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
39	57	Channel 57 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
3A	58	Channel 58 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
3B	59	Channel 59 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
3C	60	Channel 60 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
3D	61	Channel 61 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
3E	62	Channel 62 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
3F	63	Channel 63 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
40	64	Channel 64 Modbus Address	R/W	16	INTEGER	Modbus Address (0-247). 0 is off
41	65	Channel 1 Reading	R	32	FLOAT	Any valid sensor reading
43	67	Channel 2 Reading	R	32	FLOAT	Any valid sensor reading
45	69	Channel 3 Reading	R	32	FLOAT	Any valid sensor reading
47	71	Channel 4 Reading	R	32	FLOAT	Any valid sensor reading
49	73	Channel 5 Reading	R	32	FLOAT	Any valid sensor reading
4B	75	Channel 6 Reading	R	32	FLOAT	Any valid sensor reading

4D	77	Channel 7 Reading	R	32	FLOAT	Any valid sensor reading
4F	79	Channel 8 Reading	R	32	FLOAT	Any valid sensor reading
51	81	Channel 9 Reading	R	32	FLOAT	Any valid sensor reading
53	83	Channel 10 Reading	R	32	FLOAT	Any valid sensor reading
55	85	Channel 11 Reading	R	32	FLOAT	Any valid sensor reading
57	87	Channel 12 Reading	R	32	FLOAT	Any valid sensor reading
59	89	Channel 13 Reading	R	32	FLOAT	Any valid sensor reading
5B	91	Channel 14 Reading	R	32	FLOAT	Any valid sensor reading
5D	93	Channel 15 Reading	R	32	FLOAT	Any valid sensor reading
5F	95	Channel 16 Reading	R	32	FLOAT	Any valid sensor reading
61	97	Channel 17 Reading	R	32	FLOAT	Any valid sensor reading
63	99	Channel 18 Reading	R	32	FLOAT	Any valid sensor reading
65	101	Channel 19 Reading	R	32	FLOAT	Any valid sensor reading
67	103	Channel 20 Reading	R	32	FLOAT	Any valid sensor reading
69	105	Channel 21 Reading	R	32	FLOAT	Any valid sensor reading
6B	107	Channel 22 Reading	R	32	FLOAT	Any valid sensor reading
6D	109	Channel 23 Reading	R	32	FLOAT	Any valid sensor reading
6F	111	Channel 24 Reading	R	32	FLOAT	Any valid sensor reading
71	113	Channel 25 Reading	R	32	FLOAT	Any valid sensor reading
73	115	Channel 26 Reading	R	32	FLOAT	Any valid sensor reading
75	117	Channel 27 Reading	R	32	FLOAT	Any valid sensor reading
77	119	Channel 28 Reading	R	32	FLOAT	Any valid sensor reading
79	121	Channel 29 Reading	R	32	FLOAT	Any valid sensor reading
7B	123	Channel 30 Reading	R	32	FLOAT	Any valid sensor reading
7D	125	Channel 31 Reading	R	32	FLOAT	Any valid sensor reading
7F	127	Channel 32 Reading	R	32	FLOAT	Any valid sensor reading
81	129	Channel 33 Reading	R	32	FLOAT	Any valid sensor reading
83	131	Channel 34 Reading	R	32	FLOAT	Any valid sensor reading
85	133	Channel 35 Reading	R	32	FLOAT	Any valid sensor reading
87	135	Channel 36 Reading	R	32	FLOAT	Any valid sensor reading
89	137	Channel 37 Reading	R	32	FLOAT	Any valid sensor reading
8B	139	Channel 38 Reading	R	32	FLOAT	Any valid sensor reading
8D	141	Channel 39 Reading	R	32	FLOAT	Any valid sensor reading
8F	143	Channel 40 Reading	R	32	FLOAT	Any valid sensor reading
91	145	Channel 41 Reading	R	32	FLOAT	Any valid sensor reading
93	147	Channel 42 Reading	R	32	FLOAT	Any valid sensor reading
95	149	Channel 43 Reading	R	32	FLOAT	Any valid sensor reading
97	151	Channel 44 Reading	R	32	FLOAT	Any valid sensor reading
99	153	Channel 45 Reading	R	32	FLOAT	Any valid sensor reading

9B	155	Channel 46 Reading	R	32	FLOAT	Any valid sensor reading
9D	157	Channel 47 Reading	R	32	FLOAT	Any valid sensor reading
9F	159	Channel 48 Reading	R	32	FLOAT	Any valid sensor reading
A1	161	Channel 49 Reading	R	32	FLOAT	Any valid sensor reading
A3	163	Channel 50 Reading	R	32	FLOAT	Any valid sensor reading
A5	165	Channel 51 Reading	R	32	FLOAT	Any valid sensor reading
A7	167	Channel 52 Reading	R	32	FLOAT	Any valid sensor reading
A9	169	Channel 53 Reading	R	32	FLOAT	Any valid sensor reading
AB	171	Channel 54 Reading	R	32	FLOAT	Any valid sensor reading
AD	173	Channel 55 Reading	R	32	FLOAT	Any valid sensor reading
AF	175	Channel 56 Reading	R	32	FLOAT	Any valid sensor reading
B1	177	Channel 57 Reading	R	32	FLOAT	Any valid sensor reading
B3	179	Channel 58 Reading	R	32	FLOAT	Any valid sensor reading
B5	181	Channel 59 Reading	R	32	FLOAT	Any valid sensor reading
B7	183	Channel 60 Reading	R	32	FLOAT	Any valid sensor reading
B9	185	Channel 61 Reading	R	32	FLOAT	Any valid sensor reading
BB	187	Channel 62 Reading	R	32	FLOAT	Any valid sensor reading
BD	189	Channel 63 Reading	R	32	FLOAT	Any valid sensor reading
BF	191	Channel 64 Reading	R	32	FLOAT	Any valid sensor reading
C1	193	Channel 1 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
C2	194	Channel 2 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
C3	195	Channel 3 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
C4	196	Channel 4 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
C5	197	Channel 5 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
C6	198	Channel 6 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
C7	199	Channel 7 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
C8	200	Channel 8 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
C9	201	Channel 9 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
CA	202	Channel 10 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
CB	203	Channel 11 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
CC	204	Channel 12 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
CD	205	Channel 13 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
CE	206	Channel 14 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
CF	207	Channel 15 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
D0	208	Channel 16 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
D1	209	Channel 17 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
D2	210	Channel 18 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
D3	211	Channel 19 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
D4	212	Channel 20 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below

D5	213	Channel 21 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
D6	214	Channel 22 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
D7	215	Channel 23 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
D8	216	Channel 24 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
D9	217	Channel 25 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
DA	218	Channel 26 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
DB	219	Channel 27 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
DC	220	Channel 28 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
DD	221	Channel 29 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
DE	222	Channel 30 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
DF	223	Channel 31 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
E0	224	Channel 32 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
E1	225	Channel 33 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
E2	226	Channel 34 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
E3	227	Channel 35 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
E4	228	Channel 36 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
E5	229	Channel 37 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
E6	230	Channel 38 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
E7	231	Channel 39 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
E8	232	Channel 40 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
E9	233	Channel 41 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
EA	234	Channel 42 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
EB	235	Channel 43 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
EC	236	Channel 44 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
ED	237	Channel 45 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
EE	238	Channel 46 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
EF	239	Channel 47 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
F0	240	Channel 48 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
F1	241	Channel 49 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
F2	242	Channel 50 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
F3	243	Channel 51 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
F4	244	Channel 52 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
F5	245	Channel 53 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
F6	246	Channel 54 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
F7	247	Channel 55 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
F8	248	Channel 56 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
F9	249	Channel 57 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
FA	250	Channel 58 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
FB	251	Channel 59 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below

FC	252	Channel 60 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
FD	253	Channel 61 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
FE	254	Channel 62 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
FF	255	Channel 63 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
100	256	Channel 64 Mode	R	16	ENUMERATION	0-7 See Mode Enumeration Below
101	257	Channel 1 Power	R	32	FLOAT	Sensor Input Voltage
103	259	Channel 2 Power	R	32	FLOAT	Sensor Input Voltage
105	261	Channel 3 Power	R	32	FLOAT	Sensor Input Voltage
107	263	Channel 4 Power	R	32	FLOAT	Sensor Input Voltage
109	265	Channel 5 Power	R	32	FLOAT	Sensor Input Voltage
10B	267	Channel 6 Power	R	32	FLOAT	Sensor Input Voltage
10D	269	Channel 7 Power	R	32	FLOAT	Sensor Input Voltage
10F	271	Channel 8 Power	R	32	FLOAT	Sensor Input Voltage
111	273	Channel 9 Power	R	32	FLOAT	Sensor Input Voltage
113	275	Channel 10 Power	R	32	FLOAT	Sensor Input Voltage
115	277	Channel 11 Power	R	32	FLOAT	Sensor Input Voltage
117	279	Channel 12 Power	R	32	FLOAT	Sensor Input Voltage
119	281	Channel 13 Power	R	32	FLOAT	Sensor Input Voltage
11B	283	Channel 14 Power	R	32	FLOAT	Sensor Input Voltage
11D	285	Channel 15 Power	R	32	FLOAT	Sensor Input Voltage
11F	287	Channel 16 Power	R	32	FLOAT	Sensor Input Voltage
121	289	Channel 17 Power	R	32	FLOAT	Sensor Input Voltage
123	291	Channel 18 Power	R	32	FLOAT	Sensor Input Voltage
125	293	Channel 19 Power	R	32	FLOAT	Sensor Input Voltage
127	295	Channel 20 Power	R	32	FLOAT	Sensor Input Voltage
129	297	Channel 21 Power	R	32	FLOAT	Sensor Input Voltage
12B	299	Channel 22 Power	R	32	FLOAT	Sensor Input Voltage
12D	301	Channel 23 Power	R	32	FLOAT	Sensor Input Voltage
12F	303	Channel 24 Power	R	32	FLOAT	Sensor Input Voltage
131	305	Channel 25 Power	R	32	FLOAT	Sensor Input Voltage
133	307	Channel 26 Power	R	32	FLOAT	Sensor Input Voltage
135	309	Channel 27 Power	R	32	FLOAT	Sensor Input Voltage
137	311	Channel 28 Power	R	32	FLOAT	Sensor Input Voltage
139	313	Channel 29 Power	R	32	FLOAT	Sensor Input Voltage
13B	315	Channel 30 Power	R	32	FLOAT	Sensor Input Voltage
13D	317	Channel 31 Power	R	32	FLOAT	Sensor Input Voltage
13F	319	Channel 32 Power	R	32	FLOAT	Sensor Input Voltage
141	321	Channel 33 Power	R	32	FLOAT	Sensor Input Voltage
143	323	Channel 34 Power	R	32	FLOAT	Sensor Input Voltage

145	325	Channel 35 Power	R	32	FLOAT	Sensor Input Voltage
147	327	Channel 36 Power	R	32	FLOAT	Sensor Input Voltage
149	329	Channel 37 Power	R	32	FLOAT	Sensor Input Voltage
14B	331	Channel 38 Power	R	32	FLOAT	Sensor Input Voltage
14D	333	Channel 39 Power	R	32	FLOAT	Sensor Input Voltage
14F	335	Channel 40 Power	R	32	FLOAT	Sensor Input Voltage
151	337	Channel 41 Power	R	32	FLOAT	Sensor Input Voltage
153	339	Channel 42 Power	R	32	FLOAT	Sensor Input Voltage
155	341	Channel 43 Power	R	32	FLOAT	Sensor Input Voltage
157	343	Channel 44 Power	R	32	FLOAT	Sensor Input Voltage
159	345	Channel 45 Power	R	32	FLOAT	Sensor Input Voltage
15B	347	Channel 46 Power	R	32	FLOAT	Sensor Input Voltage
15D	349	Channel 47 Power	R	32	FLOAT	Sensor Input Voltage
15F	351	Channel 48 Power	R	32	FLOAT	Sensor Input Voltage
161	353	Channel 49 Power	R	32	FLOAT	Sensor Input Voltage
163	355	Channel 50 Power	R	32	FLOAT	Sensor Input Voltage
165	357	Channel 51 Power	R	32	FLOAT	Sensor Input Voltage
167	359	Channel 52 Power	R	32	FLOAT	Sensor Input Voltage
169	361	Channel 53 Power	R	32	FLOAT	Sensor Input Voltage
16B	363	Channel 54 Power	R	32	FLOAT	Sensor Input Voltage
16D	365	Channel 55 Power	R	32	FLOAT	Sensor Input Voltage
16F	367	Channel 56 Power	R	32	FLOAT	Sensor Input Voltage
171	369	Channel 57 Power	R	32	FLOAT	Sensor Input Voltage
173	371	Channel 58 Power	R	32	FLOAT	Sensor Input Voltage
175	373	Channel 59 Power	R	32	FLOAT	Sensor Input Voltage
177	375	Channel 60 Power	R	32	FLOAT	Sensor Input Voltage
179	377	Channel 61 Power	R	32	FLOAT	Sensor Input Voltage
17B	379	Channel 62 Power	R	32	FLOAT	Sensor Input Voltage
17D	381	Channel 63 Power	R	32	FLOAT	Sensor Input Voltage
17F	383	Channel 64 Power	R	32	FLOAT	Sensor Input Voltage
181	385	Channel 1 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
182	386	Channel 2 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
183	387	Channel 3 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
184	388	Channel 4 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
185	389	Channel 5 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
186	390	Channel 6 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
187	391	Channel 7 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
188	392	Channel 8 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
189	393	Channel 9 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below

18A	394	Channel 10 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
18B	395	Channel 11 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
18C	396	Channel 12 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
18D	397	Channel 13 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
18E	398	Channel 14 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
18F	399	Channel 15 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
190	400	Channel 16 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
191	401	Channel 17 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
192	402	Channel 18 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
193	403	Channel 19 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
194	404	Channel 20 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
195	405	Channel 21 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
196	406	Channel 22 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
197	407	Channel 23 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
198	408	Channel 24 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
199	409	Channel 25 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
19A	410	Channel 26 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
19B	411	Channel 27 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
19C	412	Channel 28 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
19D	413	Channel 29 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
19E	414	Channel 30 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
19F	415	Channel 31 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1A0	416	Channel 32 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1A1	417	Channel 33 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1A2	418	Channel 34 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1A3	419	Channel 35 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1A4	420	Channel 36 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1A5	421	Channel 37 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1A6	422	Channel 38 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1A7	423	Channel 39 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1A8	424	Channel 40 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1A9	425	Channel 41 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1AA	426	Channel 42 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1AB	427	Channel 43 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1AC	428	Channel 44 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1AD	429	Channel 45 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1AE	430	Channel 46 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1AF	431	Channel 47 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1B0	432	Channel 48 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below

1B1	433	Channel 49 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1B2	434	Channel 50 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1B3	435	Channel 51 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1B4	436	Channel 52 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1B5	437	Channel 53 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1B6	438	Channel 54 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1B7	439	Channel 55 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1B8	440	Channel 56 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1B9	441	Channel 57 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1BA	442	Channel 58 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1BB	443	Channel 59 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1BC	444	Channel 60 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1BD	445	Channel 61 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1BE	446	Channel 62 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1BF	447	Channel 63 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1C0	448	Channel 64 Sensor Type	R	16	ENUMERATION	0-31 See Sensor Type Enumeration Below
1C1	449	Channel 1 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1C2	450	Channel 2 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1C3	451	Channel 3 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1C4	452	Channel 4 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1C5	453	Channel 5 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1C6	454	Channel 6 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1C7	455	Channel 7 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1C8	456	Channel 8 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1C9	457	Channel 9 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1CA	458	Channel 10 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1CB	459	Channel 11 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1CC	460	Channel 12 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1CD	461	Channel 13 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1CE	462	Channel 14 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1CF	463	Channel 15 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1D0	464	Channel 16 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1D1	465	Channel 17 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1D2	466	Channel 18 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1D3	467	Channel 19 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1D4	468	Channel 20 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1D5	469	Channel 21 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1D6	470	Channel 22 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1D7	471	Channel 23 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below

1D8	472	Channel 24 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1D9	473	Channel 25 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1DA	474	Channel 26 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1DB	475	Channel 27 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1DC	476	Channel 28 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1DD	477	Channel 29 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1DE	478	Channel 30 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1DF	479	Channel 31 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1E0	480	Channel 32 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1E1	481	Channel 33 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1E2	482	Channel 34 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1E3	483	Channel 35 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1E4	484	Channel 36 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1E5	485	Channel 37 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1E6	486	Channel 38 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1E7	487	Channel 39 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1E8	488	Channel 40 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1E9	489	Channel 41 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1EA	490	Channel 42 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1EB	491	Channel 43 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1EC	492	Channel 44 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1ED	493	Channel 45 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1EE	494	Channel 46 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1EF	495	Channel 47 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1F0	496	Channel 48 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1F1	497	Channel 49 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1F2	498	Channel 50 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1F3	499	Channel 51 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1F4	500	Channel 52 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1F5	501	Channel 53 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1F6	502	Channel 54 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1F7	503	Channel 55 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1F8	504	Channel 56 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1F9	505	Channel 57 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1FA	506	Channel 58 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1FB	507	Channel 59 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1FC	508	Channel 60 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1FD	509	Channel 61 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
1FE	510	Channel 62 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below

1FF	511	Channel 63 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
200	512	Channel 64 Gas Type	R	16	ENUMERATION	0-127 See Gas Enumeration below
201	513	Channel 1 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
202	514	Channel 2 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
203	515	Channel 3 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
204	516	Channel 4 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
205	517	Channel 5 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
206	518	Channel 6 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
207	519	Channel 7 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
208	520	Channel 8 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
209	521	Channel 9 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
20A	522	Channel 10 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
20B	523	Channel 11 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
20C	524	Channel 12 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
20D	525	Channel 13 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
20E	526	Channel 14 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
20F	527	Channel 15 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
210	528	Channel 16 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
211	529	Channel 17 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
212	530	Channel 18 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
213	531	Channel 19 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
214	532	Channel 20 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
215	533	Channel 21 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
216	534	Channel 22 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
217	535	Channel 23 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
218	536	Channel 24 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
219	537	Channel 25 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
21A	538	Channel 26 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
21B	539	Channel 27 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
21C	540	Channel 28 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
21D	541	Channel 29 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
21E	542	Channel 30 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
21F	543	Channel 31 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
220	544	Channel 32 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
221	545	Channel 33 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
222	546	Channel 34 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
223	547	Channel 35 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
224	548	Channel 36 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
225	549	Channel 37 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below

226	550	Channel 38 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
227	551	Channel 39 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
228	552	Channel 40 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
229	553	Channel 41 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
22A	554	Channel 42 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
22B	555	Channel 43 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
22C	556	Channel 44 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
22D	557	Channel 45 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
22E	558	Channel 46 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
22F	559	Channel 47 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
230	560	Channel 48 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
231	561	Channel 49 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
232	562	Channel 50 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
233	563	Channel 51 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
234	564	Channel 52 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
235	565	Channel 53 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
236	566	Channel 54 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
237	567	Channel 55 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
238	568	Channel 56 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
239	569	Channel 57 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
23A	570	Channel 58 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
23B	571	Channel 59 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
23C	572	Channel 60 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
23D	573	Channel 61 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
23E	574	Channel 62 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
23F	575	Channel 63 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
240	576	Channel 64 Fault	R	16	ENUMERATION	0-15 See Fault Enumeration below
241	577	Channel 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
242	578	Channel 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
243	579	Channel 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
244	580	Channel 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
245	581	Channel 5 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
246	582	Channel 6 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
247	583	Channel 7 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
248	584	Channel 8 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
249	585	Channel 9 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
24A	586	Channel 10 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
24B	587	Channel 11 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
24C	588	Channel 12 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on

24D	589	Channel 13 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
24E	590	Channel 14 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
24F	591	Channel 15 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
250	592	Channel 16 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
251	593	Channel 17 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
252	594	Channel 18 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
253	595	Channel 19 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
254	596	Channel 20 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
255	597	Channel 21 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
256	598	Channel 22 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
257	599	Channel 23 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
258	600	Channel 24 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
259	601	Channel 25 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
25A	602	Channel 26 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
25B	603	Channel 27 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
25C	604	Channel 28 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
25D	605	Channel 29 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
25E	606	Channel 30 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
25F	607	Channel 31 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
260	608	Channel 32 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
261	609	Channel 33 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
262	610	Channel 34 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
263	611	Channel 35 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
264	612	Channel 36 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
265	613	Channel 37 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
266	614	Channel 38 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
267	615	Channel 39 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
268	616	Channel 40 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
269	617	Channel 41 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
26A	618	Channel 42 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
26B	619	Channel 43 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
26C	620	Channel 44 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
26D	621	Channel 45 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
26E	622	Channel 46 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
26F	623	Channel 47 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
270	624	Channel 48 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
271	625	Channel 49 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
272	626	Channel 50 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
273	627	Channel 51 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on

274	628	Channel 52 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
275	629	Channel 53 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
276	630	Channel 54 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
277	631	Channel 55 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
278	632	Channel 56 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
279	633	Channel 57 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
27A	634	Channel 58 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
27B	635	Channel 59 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
27C	636	Channel 60 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
27D	637	Channel 61 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
27E	638	Channel 62 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
27F	639	Channel 63 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
280	640	Channel 64 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
281	641	Channel 1 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
282	642	Channel 2 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
283	643	Channel 3 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
284	644	Channel 4 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
285	645	Channel 5 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
286	646	Channel 6 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
287	647	Channel 7 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
288	648	Channel 8 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
289	649	Channel 9 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
28A	650	Channel 10 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
28B	651	Channel 11 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
28C	652	Channel 12 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
28D	653	Channel 13 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
28E	654	Channel 14 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
28F	655	Channel 15 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
290	656	Channel 16 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
291	657	Channel 17 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
292	658	Channel 18 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
293	659	Channel 19 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
294	660	Channel 20 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
295	661	Channel 21 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
296	662	Channel 22 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
297	663	Channel 23 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
298	664	Channel 24 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
299	665	Channel 25 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
29A	666	Channel 26 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on

29B	667	Channel 27 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
29C	668	Channel 28 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
29D	669	Channel 29 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
29E	670	Channel 30 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
29F	671	Channel 31 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2A0	672	Channel 32 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2A1	673	Channel 33 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2A2	674	Channel 34 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2A3	675	Channel 35 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2A4	676	Channel 36 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2A5	677	Channel 37 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2A6	678	Channel 38 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2A7	679	Channel 39 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2A8	680	Channel 40 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2A9	681	Channel 41 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2AA	682	Channel 42 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2AB	683	Channel 43 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2AC	684	Channel 44 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2AD	685	Channel 45 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2AE	686	Channel 46 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2AF	687	Channel 47 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2B0	688	Channel 48 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2B1	689	Channel 49 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2B2	690	Channel 50 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2B3	691	Channel 51 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2B4	692	Channel 52 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2B5	693	Channel 53 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2B6	694	Channel 54 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2B7	695	Channel 55 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2B8	696	Channel 56 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2B9	697	Channel 57 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2BA	698	Channel 58 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2BB	699	Channel 59 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2BC	700	Channel 60 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2BD	701	Channel 61 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2BE	702	Channel 62 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2BF	703	Channel 63 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2C0	704	Channel 64 Relay 1 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
2C1	705	Channel 1 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise

2C2	706	Channel 2 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2C3	707	Channel 3 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2C4	708	Channel 4 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2C5	709	Channel 5 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2C6	710	Channel 6 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2C7	711	Channel 7 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2C8	712	Channel 8 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2C9	713	Channel 9 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2CA	714	Channel 10 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2CB	715	Channel 11 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2CC	716	Channel 12 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2CD	717	Channel 13 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2CE	718	Channel 14 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2CF	719	Channel 15 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2D0	720	Channel 16 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2D1	721	Channel 17 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2D2	722	Channel 18 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2D3	723	Channel 19 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2D4	724	Channel 20 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2D5	725	Channel 21 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2D6	726	Channel 22 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2D7	727	Channel 23 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2D8	728	Channel 24 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2D9	729	Channel 25 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2DA	730	Channel 26 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2DB	731	Channel 27 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2DC	732	Channel 28 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2DD	733	Channel 29 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2DE	734	Channel 30 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2DF	735	Channel 31 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2E0	736	Channel 32 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2E1	737	Channel 33 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2E2	738	Channel 34 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2E3	739	Channel 35 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2E4	740	Channel 36 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2E5	741	Channel 37 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2E6	742	Channel 38 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2E7	743	Channel 39 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2E8	744	Channel 40 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise

2E9	745	Channel 41 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2EA	746	Channel 42 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2EB	747	Channel 43 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2EC	748	Channel 44 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2ED	749	Channel 45 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2EE	750	Channel 46 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2EF	751	Channel 47 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2F0	752	Channel 48 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2F1	753	Channel 49 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2F2	754	Channel 50 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2F3	755	Channel 51 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2F4	756	Channel 52 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2F5	757	Channel 53 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2F6	758	Channel 54 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2F7	759	Channel 55 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2F8	760	Channel 56 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2F9	761	Channel 57 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2FA	762	Channel 58 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2FB	763	Channel 59 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2FC	764	Channel 60 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2FD	765	Channel 61 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2FE	766	Channel 62 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
2FF	767	Channel 63 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
300	768	Channel 64 Relay 1 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
301	769	Channel 1 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
303	771	Channel 2 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
305	773	Channel 3 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
307	775	Channel 4 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
309	777	Channel 5 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
30B	779	Channel 6 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
30D	781	Channel 7 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
30F	783	Channel 8 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
311	785	Channel 9 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
313	787	Channel 10 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
315	789	Channel 11 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
317	791	Channel 12 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
319	793	Channel 13 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
31B	795	Channel 14 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
31D	797	Channel 15 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less

31F	799	Channel 16 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
321	801	Channel 17 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
323	803	Channel 18 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
325	805	Channel 19 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
327	807	Channel 20 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
329	809	Channel 21 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
32B	811	Channel 22 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
32D	813	Channel 23 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
32F	815	Channel 24 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
331	817	Channel 25 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
333	819	Channel 26 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
335	821	Channel 27 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
337	823	Channel 28 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
339	825	Channel 29 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
33B	827	Channel 30 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
33D	829	Channel 31 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
33F	831	Channel 32 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
341	833	Channel 33 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
343	835	Channel 34 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
345	837	Channel 35 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
347	839	Channel 36 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
349	841	Channel 37 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
34B	843	Channel 38 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
34D	845	Channel 39 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
34F	847	Channel 40 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
351	849	Channel 41 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
353	851	Channel 42 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
355	853	Channel 43 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
357	855	Channel 44 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
359	857	Channel 45 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
35B	859	Channel 46 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
35D	861	Channel 47 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
35F	863	Channel 48 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
361	865	Channel 49 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
363	867	Channel 50 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
365	869	Channel 51 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
367	871	Channel 52 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
369	873	Channel 53 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
36B	875	Channel 54 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less

36D	877	Channel 55 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
36F	879	Channel 56 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
371	881	Channel 57 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
373	883	Channel 58 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
375	885	Channel 59 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
377	887	Channel 60 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
379	889	Channel 61 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
37B	891	Channel 62 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
37D	893	Channel 63 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
37F	895	Channel 64 Relay 1 Set-Point	R/W	32	FLOAT	Any number 65000 or less
381	897	Channel 1 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
382	898	Channel 2 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
383	899	Channel 3 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
384	900	Channel 4 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
385	901	Channel 5 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
386	902	Channel 6 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
387	903	Channel 7 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
388	904	Channel 8 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
389	905	Channel 9 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
38A	906	Channel 10 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
38B	907	Channel 11 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
38C	908	Channel 12 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
38D	909	Channel 13 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
38E	910	Channel 14 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
38F	911	Channel 15 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
390	912	Channel 16 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
391	913	Channel 17 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
392	914	Channel 18 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
393	915	Channel 19 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
394	916	Channel 20 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
395	917	Channel 21 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
396	918	Channel 22 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
397	919	Channel 23 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
398	920	Channel 24 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
399	921	Channel 25 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
39A	922	Channel 26 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
39B	923	Channel 27 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
39C	924	Channel 28 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
39D	925	Channel 29 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch

39E	926	Channel 30 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
39F	927	Channel 31 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3A0	928	Channel 32 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3A1	929	Channel 33 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3A2	930	Channel 34 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3A3	931	Channel 35 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3A4	932	Channel 36 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3A5	933	Channel 37 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3A6	934	Channel 38 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3A7	935	Channel 39 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3A8	936	Channel 40 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3A9	937	Channel 41 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3AA	938	Channel 42 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3AB	939	Channel 43 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3AC	940	Channel 44 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3AD	941	Channel 45 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3AE	942	Channel 46 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3AF	943	Channel 47 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3B0	944	Channel 48 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3B1	945	Channel 49 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3B2	946	Channel 50 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3B3	947	Channel 51 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3B4	948	Channel 52 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3B5	949	Channel 53 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3B6	950	Channel 54 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3B7	951	Channel 55 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3B8	952	Channel 56 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3B9	953	Channel 57 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3BA	954	Channel 58 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3BB	955	Channel 59 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3BC	956	Channel 60 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3BD	957	Channel 61 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3BE	958	Channel 62 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3BF	959	Channel 63 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3C0	960	Channel 64 Relay 1 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
3C1	961	Channel 1 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3C2	962	Channel 2 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3C3	963	Channel 3 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3C4	964	Channel 4 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on

3C5	965	Channel 5 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3C6	966	Channel 6 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3C7	967	Channel 7 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3C8	968	Channel 8 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3C9	969	Channel 9 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3CA	970	Channel 10 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3CB	971	Channel 11 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3CC	972	Channel 12 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3CD	973	Channel 13 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3CE	974	Channel 14 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3CF	975	Channel 15 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3D0	976	Channel 16 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3D1	977	Channel 17 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3D2	978	Channel 18 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3D3	979	Channel 19 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3D4	980	Channel 20 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3D5	981	Channel 21 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3D6	982	Channel 22 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3D7	983	Channel 23 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3D8	984	Channel 24 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3D9	985	Channel 25 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3DA	986	Channel 26 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3DB	987	Channel 27 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3DC	988	Channel 28 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3DD	989	Channel 29 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3DE	990	Channel 30 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3DF	991	Channel 31 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3E0	992	Channel 32 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3E1	993	Channel 33 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3E2	994	Channel 34 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3E3	995	Channel 35 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3E4	996	Channel 36 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3E5	997	Channel 37 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3E6	998	Channel 38 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3E7	999	Channel 39 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3E8	1000	Channel 40 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3E9	1001	Channel 41 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3EA	1002	Channel 42 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3EB	1003	Channel 43 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on

3EC	1004	Channel 44 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3ED	1005	Channel 45 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3EE	1006	Channel 46 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3EF	1007	Channel 47 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3F0	1008	Channel 48 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3F1	1009	Channel 49 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3F2	1010	Channel 50 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3F3	1011	Channel 51 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3F4	1012	Channel 52 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3F5	1013	Channel 53 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3F6	1014	Channel 54 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3F7	1015	Channel 55 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3F8	1016	Channel 56 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3F9	1017	Channel 57 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3FA	1018	Channel 58 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3FB	1019	Channel 59 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3FC	1020	Channel 60 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3FD	1021	Channel 61 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3FE	1022	Channel 62 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
3FF	1023	Channel 63 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
400	1024	Channel 64 Relay 2 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
401	1025	Channel 1 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
402	1026	Channel 2 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
403	1027	Channel 3 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
404	1028	Channel 4 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
405	1029	Channel 5 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
406	1030	Channel 6 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
407	1031	Channel 7 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
408	1032	Channel 8 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
409	1033	Channel 9 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
40A	1034	Channel 10 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
40B	1035	Channel 11 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
40C	1036	Channel 12 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
40D	1037	Channel 13 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
40E	1038	Channel 14 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
40F	1039	Channel 15 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
410	1040	Channel 16 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
411	1041	Channel 17 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
412	1042	Channel 18 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise

413	1043	Channel 19 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
414	1044	Channel 20 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
415	1045	Channel 21 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
416	1046	Channel 22 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
417	1047	Channel 23 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
418	1048	Channel 24 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
419	1049	Channel 25 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
41A	1050	Channel 26 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
41B	1051	Channel 27 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
41C	1052	Channel 28 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
41D	1053	Channel 29 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
41E	1054	Channel 30 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
41F	1055	Channel 31 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
420	1056	Channel 32 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
421	1057	Channel 33 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
422	1058	Channel 34 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
423	1059	Channel 35 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
424	1060	Channel 36 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
425	1061	Channel 37 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
426	1062	Channel 38 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
427	1063	Channel 39 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
428	1064	Channel 40 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
429	1065	Channel 41 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
42A	1066	Channel 42 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
42B	1067	Channel 43 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
42C	1068	Channel 44 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
42D	1069	Channel 45 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
42E	1070	Channel 46 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
42F	1071	Channel 47 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
430	1072	Channel 48 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
431	1073	Channel 49 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
432	1074	Channel 50 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
433	1075	Channel 51 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
434	1076	Channel 52 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
435	1077	Channel 53 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
436	1078	Channel 54 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
437	1079	Channel 55 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
438	1080	Channel 56 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
439	1081	Channel 57 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise

43A	1082	Channel 58 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
43B	1083	Channel 59 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
43C	1084	Channel 60 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
43D	1085	Channel 61 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
43E	1086	Channel 62 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
43F	1087	Channel 63 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
440	1088	Channel 64 Relay 2 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
441	1089	Channel 1 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
443	1091	Channel 2 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
445	1093	Channel 3 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
447	1095	Channel 4 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
449	1097	Channel 5 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
44B	1099	Channel 6 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
44D	1101	Channel 7 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
44F	1103	Channel 8 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
451	1105	Channel 9 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
453	1107	Channel 10 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
455	1109	Channel 11 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
457	1111	Channel 12 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
459	1113	Channel 13 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
45B	1115	Channel 14 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
45D	1117	Channel 15 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
45F	1119	Channel 16 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
461	1121	Channel 17 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
463	1123	Channel 18 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
465	1125	Channel 19 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
467	1127	Channel 20 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
469	1129	Channel 21 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
46B	1131	Channel 22 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
46D	1133	Channel 23 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
46F	1135	Channel 24 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
471	1137	Channel 25 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
473	1139	Channel 26 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
475	1141	Channel 27 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
477	1143	Channel 28 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
479	1145	Channel 29 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
47B	1147	Channel 30 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
47D	1149	Channel 31 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
47F	1151	Channel 32 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less

481	1153	Channel 33 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
483	1155	Channel 34 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
485	1157	Channel 35 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
487	1159	Channel 36 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
489	1161	Channel 37 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
48B	1163	Channel 38 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
48D	1165	Channel 39 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
48F	1167	Channel 40 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
491	1169	Channel 41 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
493	1171	Channel 42 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
495	1173	Channel 43 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
497	1175	Channel 44 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
499	1177	Channel 45 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
49B	1179	Channel 46 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
49D	1181	Channel 47 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
49F	1183	Channel 48 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
4A1	1185	Channel 49 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
4A3	1187	Channel 50 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
4A5	1189	Channel 51 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
4A7	1191	Channel 52 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
4A9	1193	Channel 53 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
4AB	1195	Channel 54 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
4AD	1197	Channel 55 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
4AF	1199	Channel 56 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
4B1	1201	Channel 57 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
4B3	1203	Channel 58 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
4B5	1205	Channel 59 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
4B7	1207	Channel 60 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
4B9	1209	Channel 61 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
4BB	1211	Channel 62 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
4BD	1213	Channel 63 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
4BF	1215	Channel 64 Relay 2 Set-Point	R/W	32	FLOAT	Any number 65000 or less
4C1	1217	Channel 1 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4C2	1218	Channel 2 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4C3	1219	Channel 3 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4C4	1220	Channel 4 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4C5	1221	Channel 5 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4C6	1222	Channel 6 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4C7	1223	Channel 7 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch

4C8	1224	Channel 8 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4C9	1225	Channel 9 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4CA	1226	Channel 10 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4CB	1227	Channel 11 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4CC	1228	Channel 12 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4CD	1229	Channel 13 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4CE	1230	Channel 14 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4CF	1231	Channel 15 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4D0	1232	Channel 16 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4D1	1233	Channel 17 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4D2	1234	Channel 18 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4D3	1235	Channel 19 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4D4	1236	Channel 20 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4D5	1237	Channel 21 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4D6	1238	Channel 22 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4D7	1239	Channel 23 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4D8	1240	Channel 24 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4D9	1241	Channel 25 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4DA	1242	Channel 26 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4DB	1243	Channel 27 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4DC	1244	Channel 28 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4DD	1245	Channel 29 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4DE	1246	Channel 30 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4DF	1247	Channel 31 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4E0	1248	Channel 32 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4E1	1249	Channel 33 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4E2	1250	Channel 34 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4E3	1251	Channel 35 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4E4	1252	Channel 36 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4E5	1253	Channel 37 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4E6	1254	Channel 38 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4E7	1255	Channel 39 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4E8	1256	Channel 40 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4E9	1257	Channel 41 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4EA	1258	Channel 42 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4EB	1259	Channel 43 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4EC	1260	Channel 44 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4ED	1261	Channel 45 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4EE	1262	Channel 46 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch

4EF	1263	Channel 47 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4F0	1264	Channel 48 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4F1	1265	Channel 49 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4F2	1266	Channel 50 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4F3	1267	Channel 51 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4F4	1268	Channel 52 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4F5	1269	Channel 53 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4F6	1270	Channel 54 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4F7	1271	Channel 55 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4F8	1272	Channel 56 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4F9	1273	Channel 57 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4FA	1274	Channel 58 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4FB	1275	Channel 59 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4FC	1276	Channel 60 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4FD	1277	Channel 61 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4FE	1278	Channel 62 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
4FF	1279	Channel 63 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
500	1280	Channel 64 Relay 2 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
501	1281	Channel 1 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
502	1282	Channel 2 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
503	1283	Channel 3 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
504	1284	Channel 4 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
505	1285	Channel 5 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
506	1286	Channel 6 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
507	1287	Channel 7 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
508	1288	Channel 8 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
509	1289	Channel 9 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
50A	1290	Channel 10 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
50B	1291	Channel 11 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
50C	1292	Channel 12 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
50D	1293	Channel 13 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
50E	1294	Channel 14 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
50F	1295	Channel 15 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
510	1296	Channel 16 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
511	1297	Channel 17 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
512	1298	Channel 18 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
513	1299	Channel 19 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
514	1300	Channel 20 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
515	1301	Channel 21 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on

516	1302	Channel 22 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
517	1303	Channel 23 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
518	1304	Channel 24 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
519	1305	Channel 25 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
51A	1306	Channel 26 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
51B	1307	Channel 27 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
51C	1308	Channel 28 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
51D	1309	Channel 29 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
51E	1310	Channel 30 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
51F	1311	Channel 31 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
520	1312	Channel 32 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
521	1313	Channel 33 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
522	1314	Channel 34 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
523	1315	Channel 35 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
524	1316	Channel 36 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
525	1317	Channel 37 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
526	1318	Channel 38 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
527	1319	Channel 39 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
528	1320	Channel 40 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
529	1321	Channel 41 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
52A	1322	Channel 42 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
52B	1323	Channel 43 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
52C	1324	Channel 44 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
52D	1325	Channel 45 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
52E	1326	Channel 46 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
52F	1327	Channel 47 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
530	1328	Channel 48 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
531	1329	Channel 49 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
532	1330	Channel 50 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
533	1331	Channel 51 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
534	1332	Channel 52 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
535	1333	Channel 53 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
536	1334	Channel 54 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
537	1335	Channel 55 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
538	1336	Channel 56 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
539	1337	Channel 57 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
53A	1338	Channel 58 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
53B	1339	Channel 59 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
53C	1340	Channel 60 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on

53D	1341	Channel 61 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
53E	1342	Channel 62 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
53F	1343	Channel 63 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
540	1344	Channel 64 Relay 3 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
541	1345	Channel 1 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
542	1346	Channel 2 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
543	1347	Channel 3 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
544	1348	Channel 4 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
545	1349	Channel 5 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
546	1350	Channel 6 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
547	1351	Channel 7 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
548	1352	Channel 8 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
549	1353	Channel 9 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
54A	1354	Channel 10 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
54B	1355	Channel 11 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
54C	1356	Channel 12 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
54D	1357	Channel 13 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
54E	1358	Channel 14 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
54F	1359	Channel 15 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
550	1360	Channel 16 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
551	1361	Channel 17 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
552	1362	Channel 18 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
553	1363	Channel 19 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
554	1364	Channel 20 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
555	1365	Channel 21 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
556	1366	Channel 22 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
557	1367	Channel 23 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
558	1368	Channel 24 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
559	1369	Channel 25 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
55A	1370	Channel 26 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
55B	1371	Channel 27 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
55C	1372	Channel 28 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
55D	1373	Channel 29 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
55E	1374	Channel 30 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
55F	1375	Channel 31 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
560	1376	Channel 32 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
561	1377	Channel 33 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
562	1378	Channel 34 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
563	1379	Channel 35 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise

564	1380	Channel 36 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
565	1381	Channel 37 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
566	1382	Channel 38 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
567	1383	Channel 39 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
568	1384	Channel 40 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
569	1385	Channel 41 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
56A	1386	Channel 42 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
56B	1387	Channel 43 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
56C	1388	Channel 44 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
56D	1389	Channel 45 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
56E	1390	Channel 46 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
56F	1391	Channel 47 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
570	1392	Channel 48 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
571	1393	Channel 49 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
572	1394	Channel 50 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
573	1395	Channel 51 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
574	1396	Channel 52 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
575	1397	Channel 53 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
576	1398	Channel 54 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
577	1399	Channel 55 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
578	1400	Channel 56 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
579	1401	Channel 57 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
57A	1402	Channel 58 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
57B	1403	Channel 59 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
57C	1404	Channel 60 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
57D	1405	Channel 61 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
57E	1406	Channel 62 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
57F	1407	Channel 63 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
580	1408	Channel 64 Relay 3 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
581	1409	Channel 1 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
583	1411	Channel 2 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
585	1413	Channel 3 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
587	1415	Channel 4 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
589	1417	Channel 5 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
58B	1419	Channel 6 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
58D	1421	Channel 7 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
58F	1423	Channel 8 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
591	1425	Channel 9 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
593	1427	Channel 10 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less

595	1429	Channel 11 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
597	1431	Channel 12 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
599	1433	Channel 13 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
59B	1435	Channel 14 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
59D	1437	Channel 15 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
59F	1439	Channel 16 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5A1	1441	Channel 17 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5A3	1443	Channel 18 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5A5	1445	Channel 19 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5A7	1447	Channel 20 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5A9	1449	Channel 21 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5AB	1451	Channel 22 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5AD	1453	Channel 23 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5AF	1455	Channel 24 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5B1	1457	Channel 25 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5B3	1459	Channel 26 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5B5	1461	Channel 27 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5B7	1463	Channel 28 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5B9	1465	Channel 29 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5BB	1467	Channel 30 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5BD	1469	Channel 31 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5BF	1471	Channel 32 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5C1	1473	Channel 33 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5C3	1475	Channel 34 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5C5	1477	Channel 35 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5C7	1479	Channel 36 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5C9	1481	Channel 37 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5CB	1483	Channel 38 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5CD	1485	Channel 39 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5CF	1487	Channel 40 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5D1	1489	Channel 41 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5D3	1491	Channel 42 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5D5	1493	Channel 43 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5D7	1495	Channel 44 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5D9	1497	Channel 45 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5DB	1499	Channel 46 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5DD	1501	Channel 47 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5DF	1503	Channel 48 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5E1	1505	Channel 49 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less

5E3	1507	Channel 50 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5E5	1509	Channel 51 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5E7	1511	Channel 52 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5E9	1513	Channel 53 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5EB	1515	Channel 54 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5ED	1517	Channel 55 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5EF	1519	Channel 56 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5F1	1521	Channel 57 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5F3	1523	Channel 58 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5F5	1525	Channel 59 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5F7	1527	Channel 60 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5F9	1529	Channel 61 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5FB	1531	Channel 62 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5FD	1533	Channel 63 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
5FF	1535	Channel 64 Relay 3 Set-Point	R/W	32	FLOAT	Any number 65000 or less
601	1537	Channel 1 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
602	1538	Channel 2 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
603	1539	Channel 3 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
604	1540	Channel 4 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
605	1541	Channel 5 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
606	1542	Channel 6 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
607	1543	Channel 7 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
608	1544	Channel 8 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
609	1545	Channel 9 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
60A	1546	Channel 10 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
60B	1547	Channel 11 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
60C	1548	Channel 12 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
60D	1549	Channel 13 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
60E	1550	Channel 14 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
60F	1551	Channel 15 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
610	1552	Channel 16 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
611	1553	Channel 17 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
612	1554	Channel 18 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
613	1555	Channel 19 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
614	1556	Channel 20 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
615	1557	Channel 21 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
616	1558	Channel 22 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
617	1559	Channel 23 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
618	1560	Channel 24 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch

619	1561	Channel 25 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
61A	1562	Channel 26 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
61B	1563	Channel 27 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
61C	1564	Channel 28 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
61D	1565	Channel 29 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
61E	1566	Channel 30 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
61F	1567	Channel 31 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
620	1568	Channel 32 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
621	1569	Channel 33 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
622	1570	Channel 34 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
623	1571	Channel 35 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
624	1572	Channel 36 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
625	1573	Channel 37 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
626	1574	Channel 38 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
627	1575	Channel 39 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
628	1576	Channel 40 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
629	1577	Channel 41 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
62A	1578	Channel 42 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
62B	1579	Channel 43 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
62C	1580	Channel 44 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
62D	1581	Channel 45 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
62E	1582	Channel 46 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
62F	1583	Channel 47 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
630	1584	Channel 48 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
631	1585	Channel 49 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
632	1586	Channel 50 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
633	1587	Channel 51 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
634	1588	Channel 52 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
635	1589	Channel 53 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
636	1590	Channel 54 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
637	1591	Channel 55 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
638	1592	Channel 56 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
639	1593	Channel 57 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
63A	1594	Channel 58 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
63B	1595	Channel 59 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
63C	1596	Channel 60 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
63D	1597	Channel 61 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
63E	1598	Channel 62 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
63F	1599	Channel 63 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch

640	1600	Channel 64 Relay 3 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
641	1601	Channel 1 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
642	1602	Channel 2 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
643	1603	Channel 3 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
644	1604	Channel 4 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
645	1605	Channel 5 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
646	1606	Channel 6 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
647	1607	Channel 7 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
648	1608	Channel 8 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
649	1609	Channel 9 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
64A	1610	Channel 10 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
64B	1611	Channel 11 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
64C	1612	Channel 12 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
64D	1613	Channel 13 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
64E	1614	Channel 14 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
64F	1615	Channel 15 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
650	1616	Channel 16 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
651	1617	Channel 17 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
652	1618	Channel 18 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
653	1619	Channel 19 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
654	1620	Channel 20 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
655	1621	Channel 21 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
656	1622	Channel 22 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
657	1623	Channel 23 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
658	1624	Channel 24 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
659	1625	Channel 25 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
65A	1626	Channel 26 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
65B	1627	Channel 27 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
65C	1628	Channel 28 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
65D	1629	Channel 29 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
65E	1630	Channel 30 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
65F	1631	Channel 31 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
660	1632	Channel 32 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
661	1633	Channel 33 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
662	1634	Channel 34 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
663	1635	Channel 35 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
664	1636	Channel 36 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
665	1637	Channel 37 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
666	1638	Channel 38 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on

667	1639	Channel 39 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
668	1640	Channel 40 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
669	1641	Channel 41 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
66A	1642	Channel 42 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
66B	1643	Channel 43 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
66C	1644	Channel 44 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
66D	1645	Channel 45 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
66E	1646	Channel 46 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
66F	1647	Channel 47 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
670	1648	Channel 48 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
671	1649	Channel 49 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
672	1650	Channel 50 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
673	1651	Channel 51 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
674	1652	Channel 52 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
675	1653	Channel 53 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
676	1654	Channel 54 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
677	1655	Channel 55 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
678	1656	Channel 56 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
679	1657	Channel 57 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
67A	1658	Channel 58 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
67B	1659	Channel 59 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
67C	1660	Channel 60 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
67D	1661	Channel 61 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
67E	1662	Channel 62 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
67F	1663	Channel 63 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
680	1664	Channel 64 Relay 4 Off/On	R/W	16	ENUMERATION	0 – 1, 0 means off, 1 means on
681	1665	Channel 1 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
682	1666	Channel 2 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
683	1667	Channel 3 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
684	1668	Channel 4 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
685	1669	Channel 5 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
686	1670	Channel 6 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
687	1671	Channel 7 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
688	1672	Channel 8 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
689	1673	Channel 9 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
68A	1674	Channel 10 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
68B	1675	Channel 11 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
68C	1676	Channel 12 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
68D	1677	Channel 13 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise

68E	1678	Channel 14 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
68F	1679	Channel 15 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
690	1680	Channel 16 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
691	1681	Channel 17 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
692	1682	Channel 18 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
693	1683	Channel 19 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
694	1684	Channel 20 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
695	1685	Channel 21 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
696	1686	Channel 22 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
697	1687	Channel 23 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
698	1688	Channel 24 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
699	1689	Channel 25 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
69A	1690	Channel 26 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
69B	1691	Channel 27 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
69C	1692	Channel 28 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
69D	1693	Channel 29 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
69E	1694	Channel 30 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
69F	1695	Channel 31 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6A0	1696	Channel 32 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6A1	1697	Channel 33 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6A2	1698	Channel 34 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6A3	1699	Channel 35 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6A4	1700	Channel 36 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6A5	1701	Channel 37 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6A6	1702	Channel 38 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6A7	1703	Channel 39 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6A8	1704	Channel 40 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6A9	1705	Channel 41 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6AA	1706	Channel 42 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6AB	1707	Channel 43 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6AC	1708	Channel 44 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6AD	1709	Channel 45 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6AE	1710	Channel 46 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6AF	1711	Channel 47 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6B0	1712	Channel 48 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6B1	1713	Channel 49 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6B2	1714	Channel 50 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6B3	1715	Channel 51 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6B4	1716	Channel 52 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise

6B5	1717	Channel 53 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6B6	1718	Channel 54 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6B7	1719	Channel 55 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6B8	1720	Channel 56 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6B9	1721	Channel 57 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6BA	1722	Channel 58 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6BB	1723	Channel 59 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6BC	1724	Channel 60 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6BD	1725	Channel 61 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6BE	1726	Channel 62 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6BF	1727	Channel 63 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6C0	1728	Channel 64 Relay 4 Fall/Rise	R/W	16	ENUMERATION	0 – 1, 0 means fall, 1 means rise
6C1	1729	Channel 1 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
6C3	1731	Channel 2 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
6C5	1733	Channel 3 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
6C7	1735	Channel 4 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
6C9	1737	Channel 5 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
6CB	1739	Channel 6 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
6CD	1741	Channel 7 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
6CF	1743	Channel 8 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
6D1	1745	Channel 9 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
6D3	1747	Channel 10 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
6D5	1749	Channel 11 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
6D7	1751	Channel 12 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
6D9	1753	Channel 13 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
6DB	1755	Channel 14 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
6DD	1757	Channel 15 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
6DF	1759	Channel 16 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
6E1	1761	Channel 17 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
6E3	1763	Channel 18 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
6E5	1765	Channel 19 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
6E7	1767	Channel 20 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
6E9	1769	Channel 21 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
6EB	1771	Channel 22 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
6ED	1773	Channel 23 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
6EF	1775	Channel 24 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
6F1	1777	Channel 25 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
6F3	1779	Channel 26 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
6F5	1781	Channel 27 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less

6F7	1783	Channel 28 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
6F9	1785	Channel 29 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
6FB	1787	Channel 30 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
6FD	1789	Channel 31 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
6FF	1791	Channel 32 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
701	1793	Channel 33 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
703	1795	Channel 34 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
705	1797	Channel 35 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
707	1799	Channel 36 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
709	1801	Channel 37 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
70B	1803	Channel 38 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
70D	1805	Channel 39 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
70F	1807	Channel 40 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
711	1809	Channel 41 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
713	1811	Channel 42 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
715	1813	Channel 43 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
717	1815	Channel 44 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
719	1817	Channel 45 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
71B	1819	Channel 46 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
71D	1821	Channel 47 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
71F	1823	Channel 48 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
721	1825	Channel 49 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
723	1827	Channel 50 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
725	1829	Channel 51 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
727	1831	Channel 52 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
729	1833	Channel 53 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
72B	1835	Channel 54 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
72D	1837	Channel 55 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
72F	1839	Channel 56 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
731	1841	Channel 57 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
733	1843	Channel 58 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
735	1845	Channel 59 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
737	1847	Channel 60 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
739	1849	Channel 61 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
73B	1851	Channel 62 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
73D	1853	Channel 63 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
73F	1855	Channel 64 Relay 4 Set-Point	R/W	32	FLOAT	Any number 65000 or less
741	1857	Channel 1 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
742	1858	Channel 2 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch

743	1859	Channel 3 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
744	1860	Channel 4 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
745	1861	Channel 5 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
746	1862	Channel 6 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
747	1863	Channel 7 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
748	1864	Channel 8 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
749	1865	Channel 9 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
74A	1866	Channel 10 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
74B	1867	Channel 11 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
74C	1868	Channel 12 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
74D	1869	Channel 13 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
74E	1870	Channel 14 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
74F	1871	Channel 15 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
750	1872	Channel 16 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
751	1873	Channel 17 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
752	1874	Channel 18 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
753	1875	Channel 19 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
754	1876	Channel 20 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
755	1877	Channel 21 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
756	1878	Channel 22 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
757	1879	Channel 23 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
758	1880	Channel 24 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
759	1881	Channel 25 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
75A	1882	Channel 26 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
75B	1883	Channel 27 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
75C	1884	Channel 28 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
75D	1885	Channel 29 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
75E	1886	Channel 30 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
75F	1887	Channel 31 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
760	1888	Channel 32 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
761	1889	Channel 33 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
762	1890	Channel 34 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
763	1891	Channel 35 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
764	1892	Channel 36 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
765	1893	Channel 37 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
766	1894	Channel 38 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
767	1895	Channel 39 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
768	1896	Channel 40 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
769	1897	Channel 41 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch

76A	1898	Channel 42 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
76B	1899	Channel 43 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
76C	1900	Channel 44 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
76D	1901	Channel 45 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
76E	1902	Channel 46 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
76F	1903	Channel 47 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
770	1904	Channel 48 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
771	1905	Channel 49 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
772	1906	Channel 50 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
773	1907	Channel 51 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
774	1908	Channel 52 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
775	1909	Channel 53 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
776	1910	Channel 54 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
777	1911	Channel 55 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
778	1912	Channel 56 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
779	1913	Channel 57 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
77A	1914	Channel 58 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
77B	1915	Channel 59 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
77C	1916	Channel 60 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
77D	1917	Channel 61 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
77E	1918	Channel 62 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
77F	1919	Channel 63 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
780	1920	Channel 64 Relay 4 Unlatch/Latch	R/W	16	ENUMERATION	0 - 1 ,0 means unlatch, 1 means latch
Modbus and Build Data						
1771	6001	Modbus Address	R/W	16	INTEGER	1 – 247
1772	6002	Modbus Baud Rate	R/W	16	INTEGER	Valid Baud Rate. See below.
1773	6003	Month	R	16	INTEGER	1 – 12
1774	6004	Day	R	16	INTEGER	1 – 31
1775	6005	Year	R	16	INTEGER	2009 –
1776	6006	Serial Number Character	R	16	ENUMERATION	8 This is for the Letter “H” in serial number.
1777	6007	Serial Number	R	32	LONG INT	1 – 99999
Settings in Startup Menu						
177C	6012	Relay 4 as Fault Relay	R/W	16	ENUMERATION	0 – 1, 0 means normal relay, 1 means Fault
177D	6013	Relay 1 Fail Safe	R/W	16	ENUMERATION	0 – 1, 0 is not Fail Safe, 1 is Fail Safe
177E	6014	Relay 2 Fail Safe	R/W	16	ENUMERATION	0 – 1, 0 is not Fail Safe, 1 is Fail Safe
177F	6015	Relay 3 Fail Safe	R/W	16	ENUMERATION	0 – 1, 0 is not Fail Safe, 1 is Fail Safe
1780	6016	Relay 4 Fail Safe	R/W	16	ENUMERATION	0 – 1, 0 is not Fail Safe, 1 is Fail Safe
1781	6017	Fault Terminal Fail Safe	R/W	16	ENUMERATION	0 – 1, 0 is not Fail Safe, 1 is Fail Safe
Diagnostics Data						

2704	9988	Reset	R/W	16	INTEGER	0, 1. If user sets to 1, resets the unit.
2705	9989	Serial Receive Good Count	R	16	UINT	0 – 65535
2706	9990	Serial Receive Error Count	R	16	UINT	0 – 65535
2707	9991	Serial Transmit Good Count	R	16	UINT	0 – 65535
2708	9992	Serial Transmit Error Count	R	16	UINT	0 – 65535
2709	9993	Radio Receive Good Count	R	16	UINT	0 – 65535
270A	9994	Radio Receive Error Count	R	16	UINT	0 – 65535
270B	9995	Radio Transmit Good Count	R	16	UINT	0 – 65535
270C	9996	Radio Transmit Error Count	R	16	UINT	0 – 65535
270D	9997	Uptime Days	R	16	UINT	0 – 65535
270E	9998	Uptime Hours	R	16	UINT	0 – 65535
270F	9999	Uptime Minutes	R	16	UINT	0 – 65535

MODE SENSOR	MODE
0	NORMAL
1	NULL
2	CALIBRATION
3	RELAY
4	Radio ADD
5	Diagnostic/Batt
6	Advanced Menu
7	Admin Menu

Valid Baud Rates
1200
2400
4800
9600
19200
38400
57600

Serial Number Char	Char
1	A
2	B
3	C
4	D
5	E
6	F
7	G
8	H
9	I
10	J
11	K
12	L
13	M
14	N
15	O
16	P

FAULT	FAULT
0	None
1	Sensor Timeout
2	Sensor reading below null (152 Model Only)
3	Replace sensor element (LPIR Only)
4	ADC not responding
5	Null Failed
6	Cal Failed
7	Not used
8	Two Sensors Same Address
9	Sensor Radio Timeout
10	When Sensor is wired, it means no sensor is connected
11	Rapid temperature change (LPIR Only)
12	Sensor Element Restarting (LPIR Only)
13	Unspecified Error on sensor unit. Shown only on Monitor
14	No Primary Monitor at Sensor Head
15	Monitor Fault

SENSOR TYPE	

17	Q
18	R
19	S
20	T
21	U
22	V
23	W
24	X
25	Y
26	Z
27	AA
28	AB
29	AC
30	AD
31	AE
32	AF
33	AG
34	AH
35	AI
36	AJ
37	AK
38	AL
39	AM
40	AN
41	AO
42	AP
43	AQ
44	AR
45	AS
46	AT
47	AU
48	AV
49	AW
50	AX
51	AY
52	AZ

NUM	SENSOR
0	EC
1	IR
2	CB
3	MOS
4	PID
5	TANK
6	4-20
7	SWITCH
8	Unknown
30	WF190
31	None Selected

GAS TYPE NUM	GAS
0	H2S
1	SO2
2	O2
3	CO
4	CL2
5	CO2
6	LEL
7	VOC
8	FEET
9	HCl
10	NH3
11	H2
12	ClO2
13	HCN
14	F2
15	HF
16	CH2O
17	NO2
18	O3
19	INCHES
20	4-20
21	Not Specified
22	Cº
23	Fº
24	CH4
25	NO (Firmware 4.1.2)
26	PH3 (Firmware 4.1.2)
27	HBr (Firmware 4.1.2)
28	EtO (Firmware 4.1.2)
29	CH3SH (Firmware 4.1.2)
30	AsH3 (Firmware 4.1.2)
31	R410A (Firmware 4.1.2)
32	R1234YF (Firmware 4.1.2)
33	R32 (Firmware 4.1.2)
34..N	Future Gases