



255 CHANNEL WIRELESS RECEIVER / INTERFACE

Gas Detection For Life

AirLink 9850



Features

- 255 Channel wireless interface - all addresses on configured network
- Radio options: 900 MHz radio or 2.4 GHz Standard
- 12 to 35V DC operating voltage with optional AC power supply
- Graphical LCD with LED backlight
- Operating temperature range of -40°C to +70°C
- 4 Push button interface (ADD, MENU, SUB, and RESET/ESC)
- Individually configurable low and high alarm set points per channel
- Status LEDs for power and fault multi color status light; Amber fault LED for indicating system faults
- Output options: Wet contact fault DC fault terminal; USB virtual COM port; RS-232 or RS-485 Modbus; Website for displaying readings, alarms, faults, and sensor information; Optional 4-20 mA out put of 8, 16, 24, 0r 32 channels
- NEMA 4X Fiberglass non explosion proof enclosure with clear lid
- 1 Year limited hardware warranty

The RKI Instruments 9850 Interface wireless receiver is capable of monitoring all 255 wireless addresses and converting the signals to a RS-232 or RS-485 Modbus output. Designed to be used in conjunction with an existing PLC, computer or SCADA system currently in place. Other digital outputs include Ethernet-to-Website and USB Virtual COM PORT. If analog output is required, an optional Analog Card is available and provides a 4-20mA output for up to 32 wireless sensors.

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Product Specifications	
Product Type	Wireless interface
Operating Voltage	12V to 35V DC or 120V AC
Current Draw	800 mA Maximum at 120V DC
Power Type	Wireless power
Power Supply	3.13A (75W), 85/264V AC to 24V DC (optional)
RF Connection	External N female radio frequency (RF) connector
Protection	Power electromagnetic interference (EMI) filter 4-20 mA surge suppression RS-485 and RS-232 surge suppression
Display Screen	128 x 64 Resolution graphical LCD screen transflective (sunlight readable) with LED backlight
Interface	4 Push buttons (Menu, ADD, SUB, and RESET/ESC)
Temperature Range	-40°C to +70°C
Wireless (Digital) Input	Up to 255 Wireless (Digital) sensor inputs
Wireless (Analog) Output	RS-232 Modbus and RS-485 Modbus, ethernet to website, and virtual COM port over USB
Product Compatibility	Wireless: All AirLink gas detector head transmitters
Wireless Radio Options	900 MHz radio 2.4 GHz radio
Networks	52 Networks (900 MHz radio) 78 Networks (2.4 GHz radio) 255 Addresses per network
Enclosure Materials	NEMA-4X fiberglass enclosure with clear window
Wiring Hubs	Supplied with two 3/4" conduit hubs on bottom of housing. Can be located on sides or top if specified when ordering.
Accessories	Optional horn and/or strobe on housing (uses 1 or 2 of available relays)
Product Dimensions	10 in. L x 8 in. D x 6 in. H (Max. dimensions with attachments)
Total Weight	8.90 lbs
Product Mounting	4 Mounting feet, 6 in. W x 12-1/4 in. T (included) maximum mounting bolt/screw size of 5/16 in. (8mm) diameter
Product Add On Hardware	OI-4200 PCA, 8 Channel 4-20 mA output add on board capacity; 4 maximum per OI-9850
Hardware Warranty	1-Year limited

Specifications subject to change without notice.

Made in the USA



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