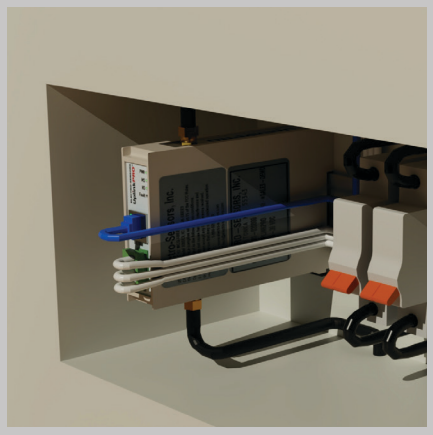
ELECTRO·SENSORS

UplinkPRO™

- EtherNet/IP™ & Modbus® PLC Integration
- Wireless Coverage for the Largest and Most Demanding Sites
- Interface with one or more Wireless Nodes
- Enhanced Wireless Reliability
- Enhanced Install Flexibility Eliminating Long Cable Runs



Description

The UplinkPRO is a direct to PLC Gateway and wireless communication repeater for HazardPRO wireless hazard monitoring systems. The Gateway provides direct machine data to PLC via Ethernet/IP or Modbus, without the need for a dedicated HMI. The wireless repeater provides expanded range and robust network redundancy for added facility protection.

Operational Details

The UplinkPRO supports 2.4GHZ wireless communication via 802.15.4 protocol and wired communication via Ethernet, using Modbus TCP or EtherNetIP protocol.

Available Configurations

UplinkPRO Repeater: Receives data from HazardPRO Nodes and transmits to another UplinkPRO or a System manager; extending the range and improving redundancy of the wireless network.

UplinkPRO Gateway: Receives wireless data and transmits through an ethernet port, enabling direct integration with a PLC and local Control Systems.



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Product Specifications

Power	
Input Voltage	10-30VDC
Input Current	<100mA peak @24VDC
Physical	
Mounting	DIN rail or wall mount options
Temperatures	-40 to 75C (-40 to 167F)
Environmental	DIN rail version: IP30 Wall mount version: IP65
Dimension*	DIN Rail :101mm L x 38W x 140D (4"x1.5"x5.5") Wall Mount: 264 L x 191W x 183D (10"x8.4"x7.2")
Wireless	
Type	802.15.4 module(s): x1 on single radio gateway, x2 on repeater and dual radio gateway
Frequency	2.4GHz
Data Rate	up to 250Kbps
Transmit Power	79mW, +19dBm
Range	Up to 90m (300ft) indoor Up to 3200m (2 miles) outdoor
Antenna Connection	SMA female: x1 on UplinkPRO Gateway, x2 on UplinkPRO Repeater and dual radio gateway
Certifications	
Safety	DIN rail version: UL 62368-1/CSA 62368-1 (pending) Wall mount version: Intrinsically Safe for Class II Division 1, Groups E,F,G; (pending)
Wireless	**FCC ID**: MCQ-XBEE3 **IC**: 1846A-XBEE3 **ANATEL**: 06329-18-01209
Wired Connection	
Port	1 Ethernet port, standard RJ45
Protocol	Modbus TCP, EtherNet IP
Speed	10/100 Mbps

** Subject to change*

Product Ordering

Part Numbers	
UplinkPRO Repeater	800-020002
UplinkPRO Gateway, EtherNetIP	800-020000
UplinkPRO dual radio gateway, EtherNetIP	800-020004
Enclosures	
NEMA enclosure kit, UplinkPRO dual radio	800-020011
NEMA enclosure kit, UplinkPRO single radio	800-020010
AC/DC converter, DIN rail mount	598-000600
Antennas	
Omni antenna, N-type female, with mounting bracket, requires coax	775-007100
3dBi whip antenna, N-type male	775-007116
3dBi whip antenna, N-type male w/ bracket. requires coax	775-007132
30 degree panel w/ RAM bracket, requires coax	775-007172
HazardPRO EXT WHIP 2.4GHz w/ BRKT KIT 5dBi,N-Type female, requires coax	775-007134
HazardPRO EX WHIP 50 OHM N-MALE 2.4GHz 5dBi	775-007133
SMA Cables and Adapters	
Coax cable, SMA to SMA 6"	775-007190
Coax cable, SMA to SMA 12"	775-007189
Coax cable, SMA to SMA 24"	775-007188
Coax cable, SMA to SMA 36"	775-007187
Adapter, coax connector, SMA female to n-type female	775-007186
Coax, SMA male to SMA male	Call Factory

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5 YEAR WARRANTY