

Wi-Fi (802.11 b/g/n) Transmitters

OVERVIEW

EnviroTrak™ Wi-Fi transmitters are high speed wireless modules with PEAPv0 enterprise security, capable of collecting, storing and transmitting data wirelessly over a standard 802.11 b/g/n (Wi-Fi – RF Frequency 2.4 to 2.497 GHz) with UDP protocol. The transmitter passes information to the EnviroTrak application which can be located on any Wi-Fi-enabled network. Each transmitter monitors against preset conditions that are defined by the user and can provide audio and visual alerts. Additional alerts can be provided through a variety of methods such as pager, cellphone, and e-mail. Information recorded (in °F and °C) to the database is time-stamped and cannot be altered through the user interface.

All transmitters can be configured for Wi-Fi and server networks as well as sample transmit intervals. Configuration can be performed either at the factory or in the field. The transmitter will connect to a Wi-Fi IP network and send data to the designated server. Both Wi-Fi (802.11 b/g/n) and 900 MHz EnviroTrak transmitters can communicate within a single EnviroTrak installation. **NIST traceable calibration available.*

SECURITY SUPPORT

Our new Wi-Fi transmitters support the following security modes: WEP, WPA-PSK, WPA2-PSK, WPA2-Enterprise with PEAPv0 and EAP-MSCHAPv2. PEAPv0 is the ultimate in wireless security, protecting customers' data transferred between clients and servers, preventing unwanted access to secured networks even if the threat is posing as a transmitter. PEAPv0 with EAP-MSCHAPv2 is the most common form of PEAP in use and one of the most widely supported EAP standards in the world. PEAP reduces the number of SSIDs required because the transmitters can reside on a PEAP network normally reserved for internal data transfer.

FEATURES	BENEFITS
<ul style="list-style-type: none"> • Connects to existing Wi-Fi IP network • Speed: Wi-Fi 802.11 b/g/n 72 Mbit/sec • Enterprise Security: PEAPv0 with EAP-MSCHAPv2 (PEAP) • Radio Protocol: IEEE 802.11 b/g/n compatible • RF Frequency: 2.4 to 2.497 GHz • Operating Environment: 0° to 140°F (-17° to 60°C), up to 95% RH • Battery: (2) AA Lithium (included) • Battery Life: 14-15 months (based upon a 15 minute transmit and sample cycle) • External power supply (Micro-USB) with battery backup • On-transmitter buffer storage size of 4,096 samples • Visual and audio alarm indicators - can be cleared with reset feature • ABS plastic enclosure • Wall-mounting: DualLock™ tape or screw-mount • One year warranty • Certifications: FCC, CE, IC, and RoHS compliant 	<ul style="list-style-type: none"> • Utilizes infrastructure already in facility • Optimized for network speed • Higher security network protects real-time data traffic • Works efficiently with all access points • Industry standard RF frequency • Can be placed in a variety of environments • Common battery size • Less frequent battery replacements • Reconfigure Wi-Fi transmitters over the air • Reduces maintenance • Ensures continuous data collection in the event of network outage • Ensures no alerts go unanswered • Durable casing protects inner circuitry • Ensures secure mounting for different equipment

SPECIFICATIONS

#31200-802 Dual External Temperature Transmitter

- Supports up to two external temperature probes
- Temperature Range: -328° to 572°F (-200° to 300°C)
- Accuracy: ±1°F (±0.5°C)

#31220-802 Internal Temperature/Humidity Transmitter

- Supports one internal temperature sensor and one internal relative humidity sensor
- Temperature Range: -4° to 140°F (-20° to 60°C)
- Accuracy: ±0.7°F (±0.4°C)
- Relative Humidity Range: 0 to 95%
- Relative Humidity Accuracy: ±3%

#31240-802 Analog Transmitter

- Supports two external instruments via terminal blocks
- Works in conjunction with a digital output device
- Current: 0 to 20 milliAmp
- 0 to 10 volts

#31230-802 Contact Transmitter

- Reed Switch activates with magnet
- Terminal block allows for remote signal activation

Transmitter Dimensions:

4.25" x 2.5" x 1.125" (108 mm x 64 mm x 29 mm)

Dual External Temperature Transmitter
#31200-802



Internal Temperature/Humidity Transmitter
#31220-802



Analog Transmitter
#31240-802



Contact Transmitter
#31230-802

