Touchpoint™ Plus Wireless

Multi-Channel Controller

The Touchpoint™ Plus Wireless is a multi-channel controller with a built-in wireless modem that is designed for integration with RAE Systems by Honeywell Mesh-intelligent network of connected sensors combined with traditional hard wired sensors.

The Touchpoint™ Plus Wireless is the command-and-control element of the Mesh system that gathers data and monitors alarms from Mesh-enabled toxic and flammable gas monitors.

The built-in wireless modem automatically links with Mesh-enabled monitors, and the controller has built-in security safeguards to resist tampering. The Touchpoint™ Plus Wireless does have additional 8 analogue 4-20 mA inputs for combination of traditional wired products and wireless products.

- Quick and easy installation

- Simple, intuitive operation

- Rugged and reliable

- Flexible to handle a variety of data processing and communication needs

Key Features:

Versatile

- *Built-in wireless modemfor use in Mesh networks*
- *Manages up to 64 channels*
- *Up to 15 programmable SPDT relay outputs*
- *RS-485 and Ethernet interface*
- *8 analogue 4-20 mA inputs*
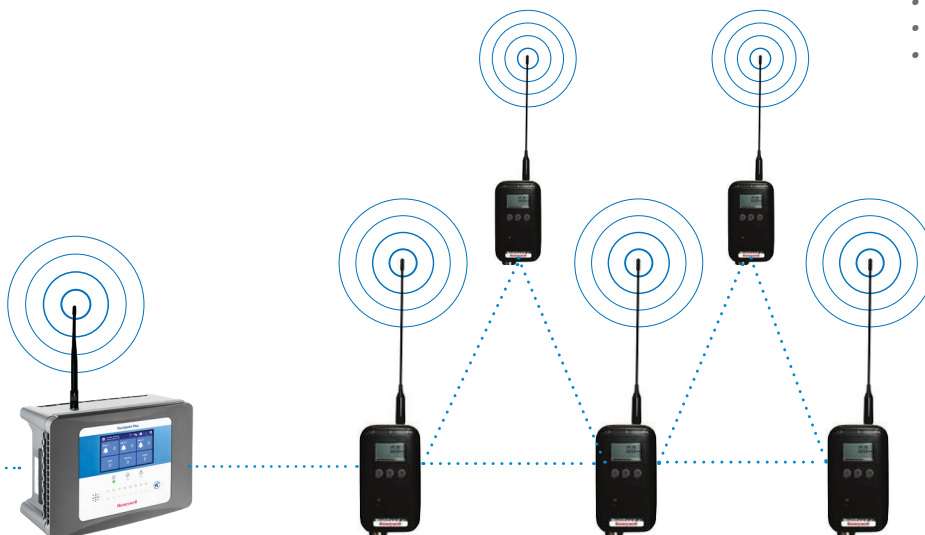- *Meteorological data sensors*
- *IP 65 rated*

Easy to Use

- *Backup battery for up to 12 hours of operation depending on configuration*
- *Built-in data logging*
- *C1D2 certified*

Applications

- *Drilling rigs*
- *Petrochemical plants*
- *Tank farms*
- *Shipyards and maritime*
- *Steel mills*
- *Industrial safety*

FA324 Alarm Bar

GENERAL SPECIFICATION

Capacity	Up to 8 channels with base unit
Size (Wall-Mounted Version)	426 mm × 300 mm × 156 mm (16.8" x 11.8" x 6.1")
Housing Material	Polycarbonate ABS
Weight	Max. 8.5 kg (18.7 lb)

User Interface (UI) - Controller Only

Display	7" color LCD touchscreen. Graphic User Interface
Visual Indicators	3 LEDs for master indicators. LED for each channel. Green: Normal; Yellow: Fault: Inhibit; Red: Alarm
Audible Alarm	≥ 70dB @ 1 m (3.28 ft)
Button	Common for reset/mute operation
Language	English, French, German, Italian, Dutch, Spanish, Portuguese, Russian, Chinese

Power Supply*

AC Power	110/220 VAC, 50-60 Hz Manual switching
DC Power	18 to 32 VDC (+/-10%) Typical 24 VDC
Power Consumption	Max. 105 W (including detector and external devices)

Environmental

Operating	-10 ℃ to +55 ℃ (14 ℉ to +131 ℉) continuous, up to 95% RH (non-condensing), IP65 certified
Storage	Instrument -25 ℃ to +60 ℃ (-13 ℉ to +140 ℉), up to 95% RH (non-condensing)
4-20mA Input	2- or 3-wire, 8 channel modules

GENERAL SPECIFICATION

Relay Output	NO/C/NC changeover, 1.7 A @ 30 VDC/250 VAC, user-configurable - energized/de-energized, latching/non-latching, time delay
Common Inputs	Remote reset, remote inhibit
Common Outputs	4 powered A/V outputs for alarms and fault, 3 common alarm outputs, , max 300mA per channel

Approvals

Electromagnetic Compatibility and Electrical Safety	EMC/RFI (EN 50270:2015) LVD (EN 61010-1:2010) CSA-C22.2 No. 61010-1-04 UL 61010-1 (3rd Edition) and 508
Hazardous Location	Class I, Division 2, Group A, B, C, and D, or non-hazardous only

Others

Backup Battery	22.2 V Lithium Ion Battery, 2600 mAh capacity (12 hours for wireless system)
Datalogging	Configuration, logged events, and data
Communication	MODBUS TCP, WEB monitoring, and MODBUS RTU
Radio model	RM2400
Radio Frequency	2.4 GHz IEEE 802.15.4
Frequency Range	2.400-2.4835 GHz
Frequency Channels	Frequency band has 16 available channels
Transmission Range	Up to 300 meters line of sight
Receiver Sensitivity:	Minimum of -95 dBm at 2.4 GHz
Modulation	802.15.4 DSSS O-QPSK
Transmit Power	20 dBm
Data rate	250 kbps

ADDITIONAL MODEM DATA

Radio model	RM900A
Radio Frequency	868-868.6MHz, 902-928MHz 11 channels
Frequency Range	868-868.6MHz, 902-928MHz
Frequency Channels	Frequency band has 11 available channels depending on region
Transmission Range	Up to 300 meters line of sight
Receiver Sensitivity	-100dBm at at 1% packet error rate for a 20 byte payload
Modulation	802.15.4 DSSS BPSK
Transmit Power	20 dBm
Data rate	40kbps BPSK DSSS @915MHz 20kbps BPSK DSSS @868MHz

RAEMET

Wind speed: 0.1m/s

Wind direction: 1°

Compass: 1°

Temperature: 0.1°C

Humidity: 1% RH

Frequency selection 7th digit

Radio Band
A (2.4GHz)
B (EMEA)
C (Russia)
D (India)
E (North America)

Ordering Information

TPPLWDANSNNNN	TPPLW, DC power, 2.4GHz, 12 relays
TPPLWDAA8SNBRT	TPPLW, DC power, 2.4GHz, 8ch 4-20 mA, 12 relays, Battery, MODBUS
TPPLWAANSNBRT	TPPLW, AC power, 2.4GHz, 12 relays, Battery, MODBUS
TPPLWAAA8SNBRT	TPPLW, AC power, 2.4GHz, 8ch 4-20 mA, 12 relays, Battery, MODBUS
TPPLWDBNNSNNNN	TPPLW, DC power, 868MHz, 12 relays
TPPLWDBA8SNBRT	TPPLW, DC power, 868MHz, 8ch 4-20 mA, 12 relays, Battery, MODBUS
TPPLWABNNSNBRT	TPPLW, AC power, 868MHz, 12 relays, Battery, MODBUS
TPPLWABA8SNBRT	TPPLW, AC power, 868MHz, 8ch 4-20 mA, 12 relays, Battery, MODBUS
TPPLWDCNNSNNNN	TPPLW, DC power, 869MHz, 12 relays
TPPLWDCA8SNBRT	TPPLW, DC power, 869MHz, 8ch 4-20 mA, 12 relays, Battery, MODBUS
TPPLWACNNSNBRT	TPPLW, AC power, 869MHz, 12 relays, Battery, MODBUS
TPPLWACA8SNBRT	TPPLW, AC power, 869MHz, 8ch 4-20 mA, 12 relays, Battery, MODBUS
TPPLWDDNNSNNNN	TPPLW, DC power, 865.6/865.4MHz, 12 relays
TPPLWDDA8SNBRT	TPPLW, DC power, 865.6/865.4MHz, 8ch 4-20 mA, 12 relays, Battery, MODBUS
TPPLWADNNSNBRT	TPPLW, AC power, 865.6/865.4MHz, 12 relays, Battery, MODBUS
TPPLWADA8SNBRT	TPPLW, AC power, 865.6/865.4MHz, 8ch 4-20 mA, 12 relays, Battery, MODBUS
TPPLWDENNSNNNN	TPPLW, DC power, 900MHz, 12 relays
TPPLWDEA8SNBRT	TPPLW, DC power, 900MHz, 8ch 4-20 mA, 12 relays, Battery, MODBUS
TPPLWAENNSNBRT	TPPLW, AC power, 900MHz, 12 relays, Battery, MODBUS
TPPLWAEA8SNBRT	TPPLW, AC power, 900MHz, 8ch 4-20 mA, 12 relays, Battery, MODBUS

Certified for: FCC/IC (USA/Canada), RED(Europe), New Zealand, Australia, Singapore, India, Qatar, UAE, Bahrain, Kuwait, Oman, Korea, Russia, Saudi Arabia, Malaysia, China, Brazil, Indonesia.

For more information

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FUTURE
IS
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WE
MAKE IT**
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Honeywell