



## **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 MeshGuard intelligent network of connected sensors combined with traditional hard wired sensors.

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

The built-in wireless modem automatically links with MeshGuard 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 modem for use in MeshGuard networks
- Manages up to 64 channels
- Up to 14 programmable SPDT relay outputs
- RS-485 and Ethernet interface
- 8 analogue 4-20 mA inputs
- Meteorological data sensors
- IP 65 rated

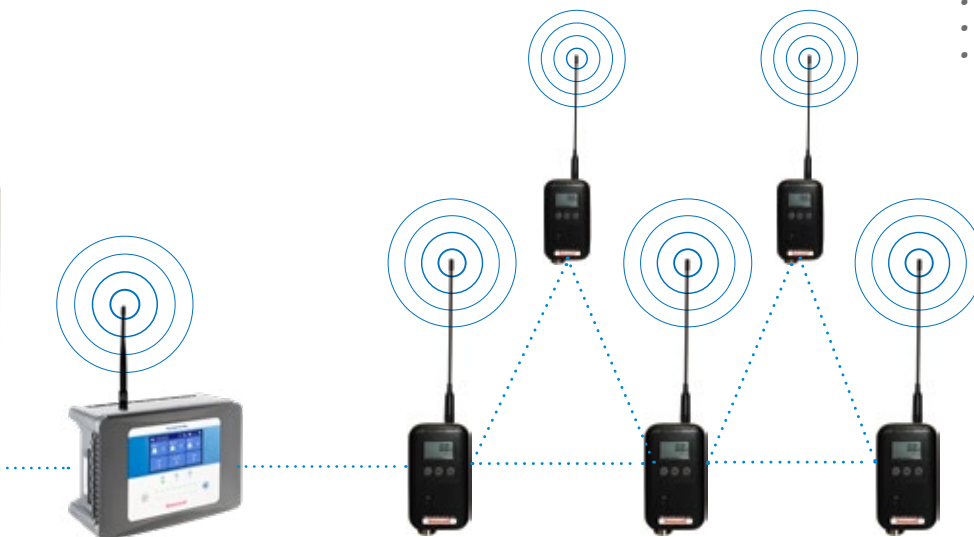
#### Easy to Use

- 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

FA300 Alarm Bar



GENERAL SPECIFICATION	
Capacity	Up to 8 channels with base unit
Size (Wall-Mounted Version)	426 mm x 300 mm x 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 °C to +55 °C (14 °F to +131 °F) continuous, up to 95% RH (non-condensing), IP65 certified
Storage	Instrument -25 °C to +60 °C (-13 °F to +140 °F), 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
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 / RM2400A
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 BPSK
Transmit Power	20 dBm
Data rate	250 kbps

## RAEMET

Wind speed: 0.1m/s

Wind direction: 1°

Compass: 1°

Temperature: 0.1°C

Humidity: 1% RH

### Ordering Information

TPPLWDANNSNNN	TPPLW, DC power, 2.4GHz, 12 relays
TPPLWDAA8SNBRT	TPPLW, DC power, 2.4GHz, 8ch 4-20 mA, 12 relays, Battery, MODBUS
TPPLWAANNSNBRT	TPPLW, AC power, 2.4GHz, 12 relays, Battery, MODBUS
TPPLWAAA8SNBRT	TPPLW, AC power, 2.4GHz, 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**

[www.honeywellanalytics.com](http://www.honeywellanalytics.com)

[www.raesystems.com](http://www.raesystems.com)

### **Europe, Middle East, Africa**

Life Safety Distribution GmbH

Tel: 00800 333 222 44 (Freephone number)

Tel: +41 44 943 4380 (Alternative number)

Middle East Tel: +971 4 450 5800 (Fixed Gas Detection)

Middle East Tel: +971 4 450 5852 (Portable Gas Detection)

### **Americas**

Honeywell Analytics Distribution Inc.

Tel: +1 847 955 8200

Toll free: +1 800 538 0363

RAE Systems by Honeywell

Phone: 408 952 8200

Toll free: 1 888 723 4800

### **Asia Pacific**

Honeywell Industrial Safety

Tel: +82 (0) 2 6909 0300

India Tel: +91 124 4752700

China Tel: +86 10 5885 8788 3000

[analytics.ap@honeywell.com](mailto:analytics.ap@honeywell.com)

### **Technical Support**

EMEA: [HAexpert@honeywell.com](mailto:HAexpert@honeywell.com)

US: [ha.us.service@honeywell.com](mailto:ha.us.service@honeywell.com)

AP: [ha.ap.service@honeywell.com](mailto:ha.ap.service@honeywell.com)

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Datasheet\_Touchpoint Plus\_DS01157\_V3\_EN-US  
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