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*
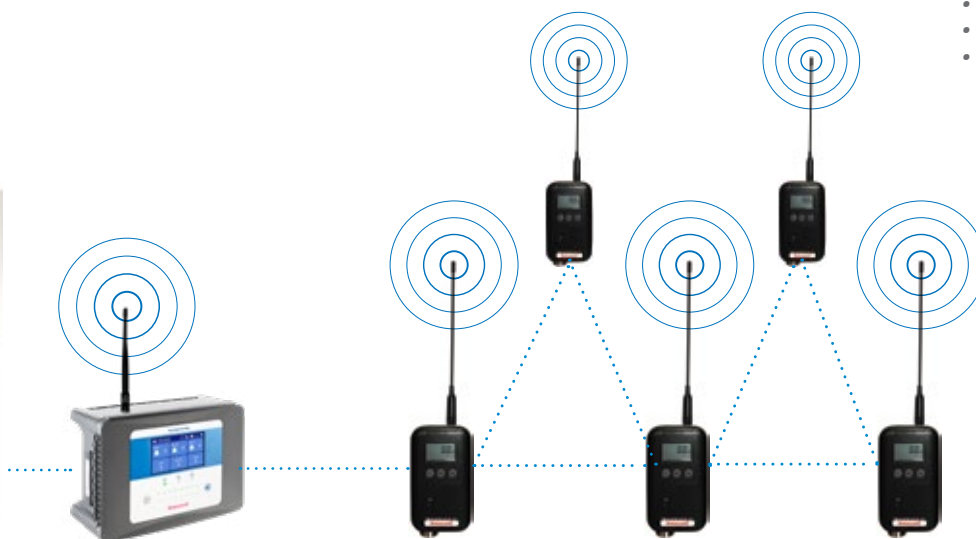- *Meteorological data sensors*
- *IP 65 rated*

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 × 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 °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: 1º

Compass: 1º

Temperature: 0.1ºC

Humidity: 1% RH

Ordering Information	
TPPLWDANNSNNNN	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

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Honeywell

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