

**Honeywell**

Gas Detection



# 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 modem for 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

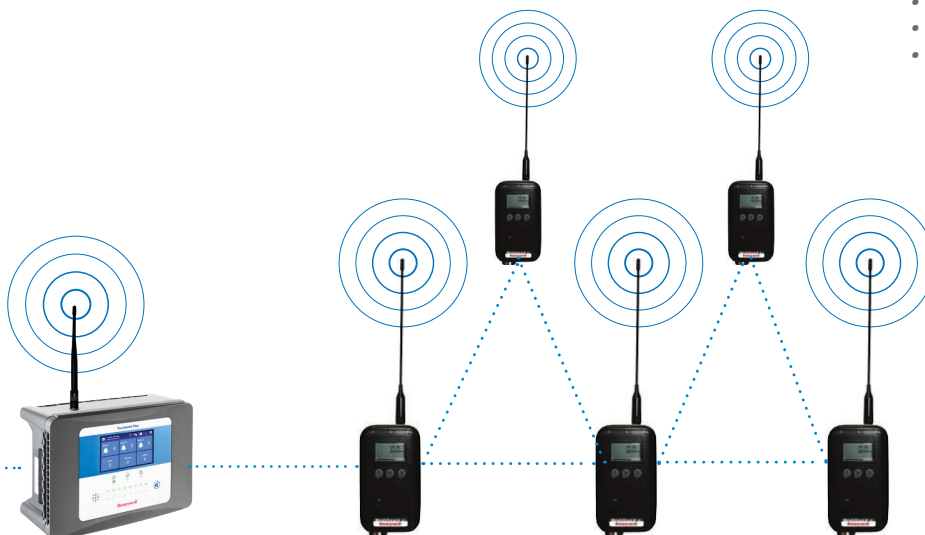
#### Easy to Use

- 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 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, 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 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
TPPLWDA8SNBRT	TPPLW, DC power, 2.4GHz, 8ch 4-20 mA, 12 relays, Battery, MODBUS
TPPLWAANSNBRT	TPPLW, AC power, 2.4GHz, 12 relays, Battery, MODBUS
TPPLWAA8SNBRT	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**

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

[www.HoneywellSafety.com](http://www.HoneywellSafety.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

### **Please Note:**

While every effort has been made to ensure accuracy in this publication, no responsibility can be accepted for errors or omissions. Data may change, as well as legislation, and you are strongly advised to obtain copies of the most recently issued regulations, standards, and guidelines. This publication is not intended to form the basis of a contract.

Datasheet\_Touchpoint Plus\_DS01157\_V4\_EN-US 08/19  
© 2019 Honeywell International Inc.

### **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)

**THE  
FUTURE  
IS  
WHAT  
WE  
MAKE IT**

**Honeywell**

# DSA Suppliers

Thank you for reading this. For pricing or further information, please contact us.

W: <https://dsasuppliers.com>

E: [sales@dsasuppliers.com](mailto:sales@dsasuppliers.com)

P: +441158390391

---

Leading UK Supplier  
**Brand New & Genuine OEM Parts**  
Delivered Worldwide



Worldwide Delivery



1000+ Genuine Parts & Equipment

Please Note - The information, product designs & specifications in this document are subject to change without notice.  
DSA Suppliers is not responsible for determining the suitability of this product.