Touchpoint Plus

A whole new control experience

Touchpoint Plus

Touchpoint Plus brings a whole new control experience to your small system of gas detectors. **Touchpoint Plus** is an easily configurable, wall mounted control system that supports up to sixteen channels of gas detection. Its modular approach enables you to take control and configure what you need for a wide range of applications.

Delivering reliable control
- *Honeywell reliability from the most trusted experts in gas detection*
- *Built-in battery backup for constant uptime*
- *Robust, shockproof housing for a wide range of industrial environments*

Flexible capabilities
- *Compatible with the full range of Honeywell gas detectors*
- *Powered audiovisual alarms simplify field installation*
- *Configuration includes easy grouping and voting alarm logic without specialist knowledge*
- *Next-generation compatibility*
- *Optional Modbus output for integration with a higher level system*

Providing ease and efficiency
- *Quick and easy installation, configuration, commissioning and maintenance*
- *Easy diagnostics, data and reporting*
- *Minimised training time*
- *Large colour touchscreen LCD*
- *Multilingual capabilities*
- *Green-yellow-red status at a glance*

The signature feature of the Touchpoint line is a user-friendly touchscreen interface, and the **Touchpoint Plus** takes it to a new level. With this unique interface, it's easier than ever to see the status of your system at a glance - maximizing the time you have to make the right decisions. The intuitive, multilingual interface, simplifies operation and reduces training requirements. The full colour traffic light style status indication provides clarity from a distance too.

Touchpoint Plus includes a comprehensive set of outputs as standard including common alarms and dedicated drives for remote audiovisual indicators. Its modularity enables you to customise your system to meet your specific application requirements. Selecting the right detector for use with your controller can deliver significant savings in startup costs and on-going operations. Our global partner network and dedicated application specialists are able to help make the right choices for your industry.

With everything at your fingertips, you can take ownership of your system and operate it with confidence, ensuring the **safety of your people and productivity of your site.**

Want to fully utilise your controller?
Built for ease – so you can operate it with confidence

Want complete peace of mind?
Engineered to the highest standards of quality and reliability

Want a simple end-to-end solution?
Easy ordering, installation and servicing from the gas detection experts

Want to simplify system setup?
With the intuitive, ergonomic touchscreen, setup couldn't be easier

Want to make fast, informed decisions?
System status at-a-glance when time is critical

Want to know what's going on?
View real-time and historical data, analyse readings and much more

Large colour touchscreen LCD with multilingual options

Clear common status indicators (green, yellow, red)
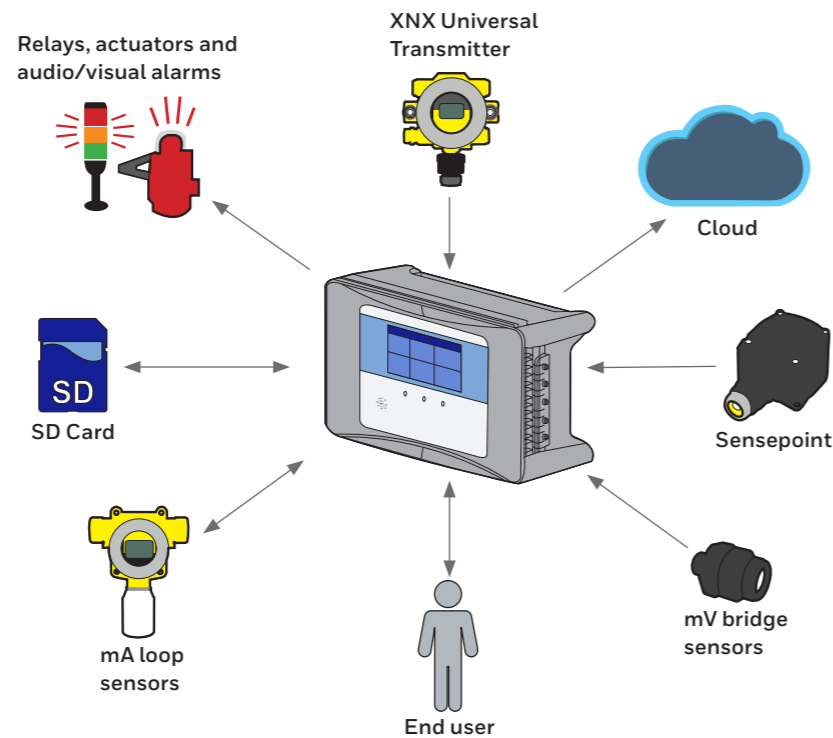
Built-in sounder

Mute/reset

Individual channel status indicators (green, yellow, red)
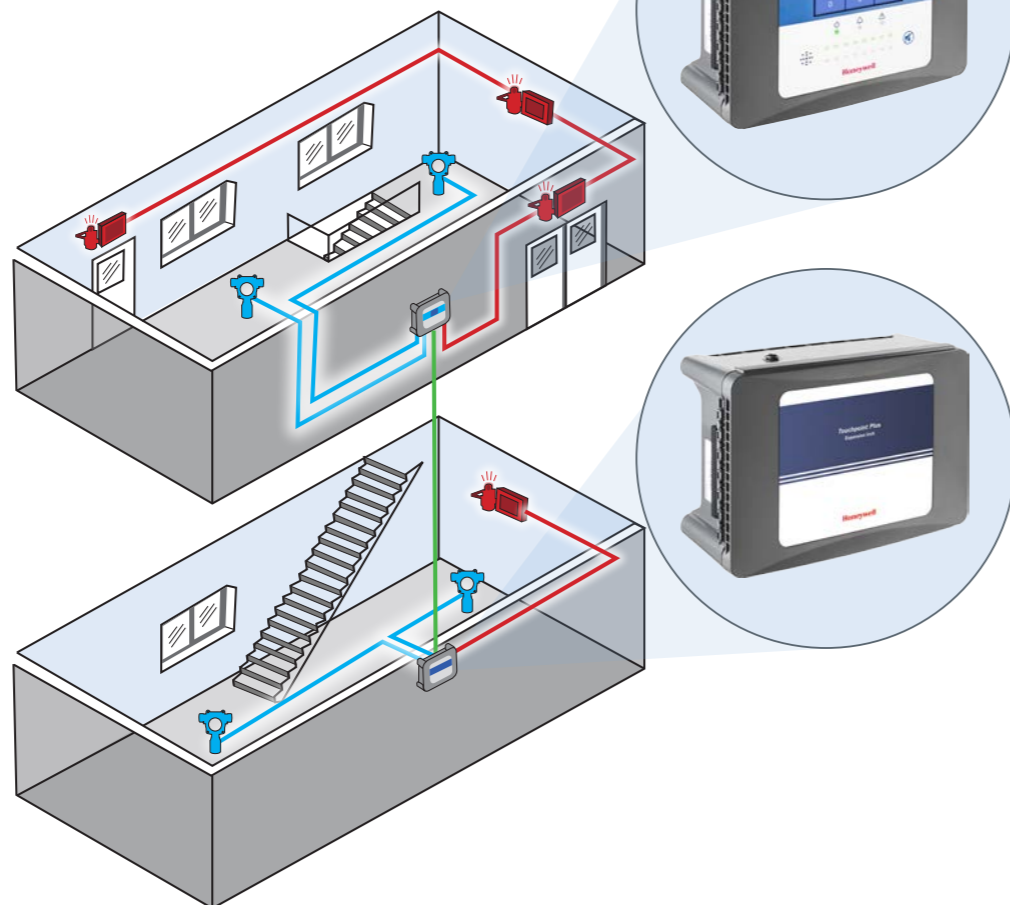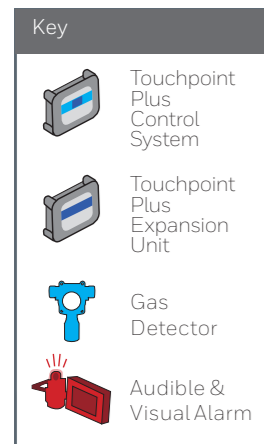
One System Solution

Honeywell Analytics' one system solution to meet your safety requirements

Touchpoint Plus provides a reliable safety solution for small scale gas detection systems across a wide range of applications and industries. If you need to integrate your gas detection with a higher level management system, the Modbus output option makes this straightforward.

As the heart of your gas detection system, Touchpoint Plus is designed to work with Honeywell's industry leading gas detectors and drive actuators, audible and visual alarms to provide a complete end-to-end solution that you can configure as your own.
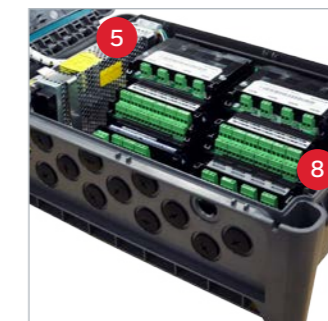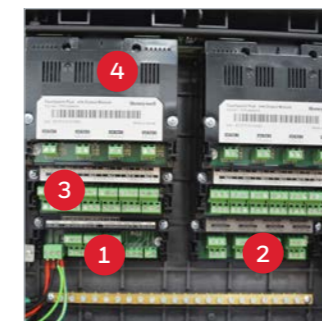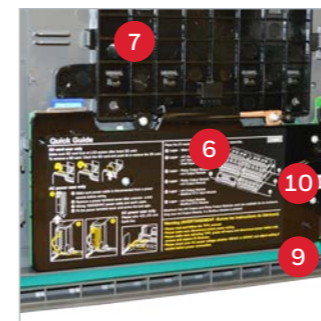
Relays, actuators and audio/visual alarms

XNX Universal Transmitter

Cloud

SD Card

Sensepoint

mA loop sensors

End user

mV bridge sensors

TYPICAL EXAMPLE OF A SMALL GAS DETECTION SYSTEM USING TOUCHPOINT PLUS

Key

Touchpoint Plus Control System

Touchpoint Plus Expansion Unit

Gas Detector

Audible & Visual Alarm

Designed for speed and reliability

Made of high-impact polymer plastic, Touchpoint Plus is versatile and durable. It's dust-proof, water-proof and has been tested to withstand the toughest environments in which our customers operate - indoors and out. So you can count on the Touchpoint Plus to stand up to the challenges of industrial environments, from mechanical rooms to chemical plants.

Touchpoint Plus is supplied with pre-drilled and sealed cable entries and a unique tiered internal arrangement providing ease of access to save installers time and money.

1. Main module
2. Input module
3. Relay output module
4. mA output module
5. Power supply
6. Display module
7. Touchscreen
8. Backup battery
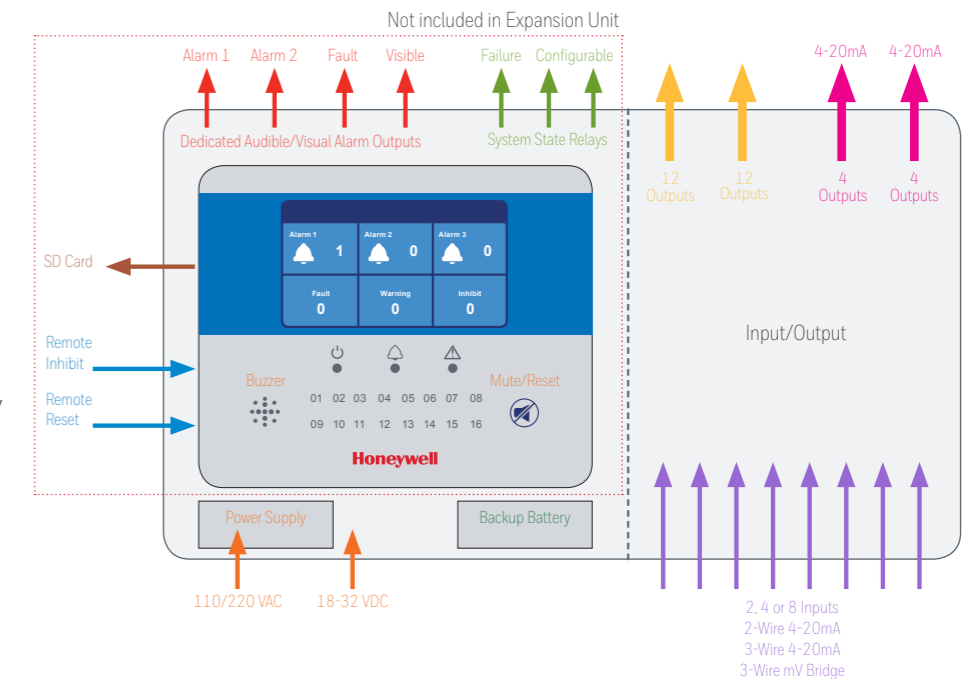**9.** Modbus TCP/Web
10. Modbus RTU

System Configuration Options

Provided as standard
- Dedicated powered audiovisual alarm drives
- Common alarm outputs, one for fault and two configurable
- Datalogging to SD Card
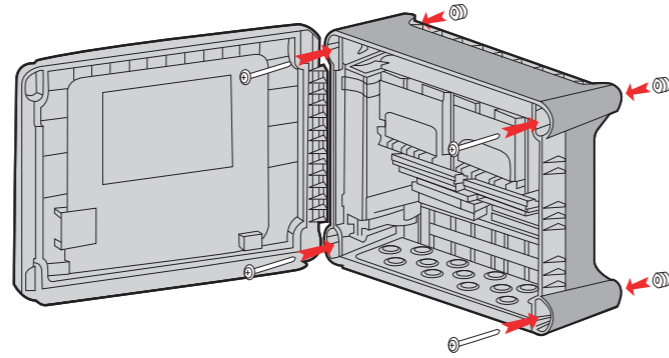- Remote reset and inhibit inputs

Options
- Choice of AC mains or DC supply voltage
- Optional backup battery
- Choice of inputs: 2, 4 or 8 mA; 2, 4 or 8 mV; 2 mA and 2 mV; 4 mA and 4 mV
- Optional expansion unit for up to 16 inputs
- Choice of 12 or 24 relay outputs
- Choice of 4 or 8 mA outputs
- Optional RS485 Modbus RTU
- Optional TCP/IP Modbus/HTTP

Not included in Expansion Unit

Alarm 1 Alarm 2 Fault Visible Failure Configurable 4-20mA 4-20mA

Dedicated Audible/Visual Alarm Outputs System State Relays

12 Outputs 12 Outputs 4 Outputs 4 Outputs

SD Card

Remote Inhibit

Remote Reset

Alarm 1 Alarm 2 Alarm 3

Fault Warning Inhibit

Buzzer Mute/Reset

Input/Output

Power Supply Backup Battery

110/220 VAC 18-32 VDC

2, 4 or 8 Inputs
2-Wire 4-20mA
3-Wire 4-20mA
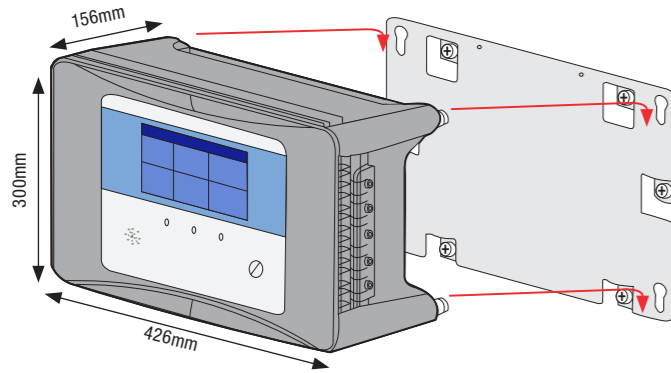3-Wire mV Bridge

Honeywell

Installation

Quick and easy installation – designed to save you time and money

Touchpoint Plus can be directly wall mounted, or for an easier 1-man installation use the optional mounting plate. Open the hinged front cover to find plenty of space for wiring and a unique tiered terminal arrangement for easy access. Cable entries are pre-drilled and sealed ready to use reducing installation time and cost further.
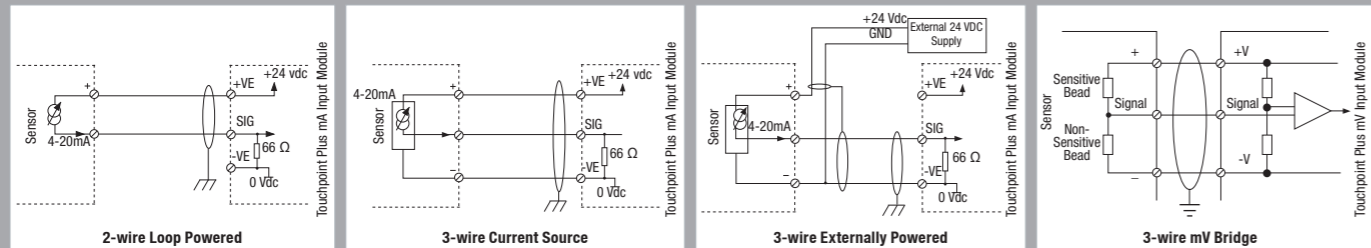
156mm
300mm
426mm

Optional Mounting Plate

Touchpoint Plus is supplied with 13 pre-drilled and sealed cable entries for for PG16/M20 glands.

Direct Surface Mounting

Sensor Connection – compatible with a wide range of field devices

| 2-wire Loop Powered | 3-wire Current Source | 3-wire Externally Powered | 3-wire mV Bridge |

AVAILABLE GAS DETECTORS

Sensepoint	Simple devices, intrusive configuration, power up to 8 devices directly from Touchpoint Plus	
Signalpoint		
705		
Searchpoint Optima Plus		
Sensepoint XCD	Enhanced devices, non-intrusive local operation, adjustment in field, power up to 8 devices directly from Touchpoint Plus	
Series 3000 MkII/MKIII		
RAEGuard II PID		
IAQPoint2		
XNX Universal Transmitter	High integrity devices, specialised configuration, adjustment in the field, monitor up to 8 devices with external power as required	
Searchline Excel		
E3Point, EC F9, IR F9		

Note: Other field devices available on request. Some devices are not available in all regions.

GENERAL SPECIFICATION

Capacity	Up to 8 channels with base unit, up to 16 channels with expansion unit
Type of Inputs	2 or 3 wires, mA, mV, max. 15W per channel, max 40W total (with dedicated A/V drive) / 68W total (without dedicated A/V drive)
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), max 17 kg (37.4 lb) with expansion unit
User Interface (UI) – Controller Only	
Display	7" colour 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 @ 1m
Button	Common for reset/mute operation
Language	English, French, German, Italian, Dutch, Spanish, Portuguese, Russian, Chinese
Power Supply*	
Power AC	110/220VAC, 50-60Hz Manual switching
Power DC	18 to 32 VDC (+/-10%) Typical 24VDC
Power Consumption	Max 105W (including detector and external devices), max 210W with expansion unit
Environmental	
Operating	-10°C to +55°C (14°F to +131°F) continuous, up to 95% RH (non-condensing), IP65 and NEMA 4X
Storage	Instrument -25°C to +60°C. (-13°F to +140°F), up to 95% RH (non-condensing)
Available I/O Modules	
4-20mA Input	2 or 3 wire, 2/4/8 channel modules, 10/12/16 with expansion unit

GENERAL SPECIFICATION

Available I/O Modules continued	
mV Input	Catalytic type flammable gas detectors (Honeywell models). 2/4/8 channel modules, 10/12/16 with expansion unit
Dual Input	2 channel mA + 2 channel mV module or 4 channel mA + 4 channel mV module
Relay Output	12 or 24 relay outputs, NO/C/NC changeover, 1.7A@30VDC/250VAC, user configurable - energised/de-energised, latching/non latching, time delay
4-20mA Output	4 or 8 isolated repeated mA outputs, 0-22mA, 0-100%FSD = 4-20mA
Common Inputs	Remote reset, remote inhibit
Common Outputs	Four powered A/V outputs for alarms and fault, three 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
Performance**	Designed to meet - EN 50271:2010; EN 60079-29-1:2007; EN 45544-1 /-2 /-3:2015; EN 50104:2010 C22.2 No. 152-M1984, ISA 12.13.01
Safety Integrity**	Designed to meet - IEC/EN 61508:2010 and EN 50402:2005+A1:2008 SIL2 certification
Hazardous Location	Class I, Division 2, Group A, B, C and D or non-hazardous only
Others	
Backup Battery	22.2V Lithium Ion Battery, 2600mAh capacity (>30 minutes for typical system)
Data logging	Configuration, logged events and data
Communication	MODBUS TCP, WEB monitoring and MODBUS RTU

* Basic and expansion units each require a power supply
** Contact Honeywell Analytics for availability
*** Not available in Expansion Unit

ORDERING INFORMATION

Product Name → T P P L B A W A 8 S 8 B N N N ← **Future Use**

Output Option
4: 4ch mA Output
8: 8ch mA Output
N: No mA Output

Power
A: AC
D: DC

Mounting Type
W: Wall Mount

Battery
B: Backup Battey
N: None

Unit Type
B: Base Unit
E: Expansion Unit

Input Option
A2: 2ch mA Input
A4: 4ch mA Input
A8: 8ch mA Input
V2: 2ch mV Input
V4: 4ch mV Input
V8: 8ch mV Input
D4: 2ch mA+ 2ch mV input
D8: 4ch mA+ 4ch mV input

Communication***
R: MODBUS RTU
N: None

Relay Option
S: 12 Relays
D: 24 Relays
N: No Relays

Communication***
N:None
R: MODBUS TCP+WEB(read)
T: MODBUS TCP
W: MODBUS TCP+WEB(read/write)**

Honeywell Gas Detection

Honeywell is able to provide gas detection solutions to meet the requirements of all applications and industries. Contact us in the following ways:

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