Honeywell | Gas Detection

Sensepoint XRL

Fixed Gas Detector

Sensepoint XRL is a fixed point gas leak detector that is designed to meet the needs of industrial applications. With over 50 years experience in gas leak detection, Honeywell offers a flexible range of highly-reliable sensing devices to meet those needs.

- Quick installation
- Rapid configuration
- Simple to operate
- Straightforward to maintain

Honeywell innovation enables customers to pair the gas detector with their mobile phone, and then use an app to perform many tasks related to installation, commissioning and maintenance.

Flexible Output Options

Sensepoint XRL is available with either mA loop analog output or Modbus RTU. The result is a flexible solution that can easily be incorporated into legacy systems as well as new installations.

Easy Control and Maintenance

Sensepoint XRL's smartphone interface makes for much faster calibration, configuration and bump tests. Inspecting the status and settings of individual Sensepoint XRL detectors is simple. Use the mobile app to:

- Read gas concentrations in real-time
- Reconfigure settings
- Check unit histories

Automated Reporting

Increase the efficiency of your operations and reduce administration time. The app and Sensepoint XRL provides easy access to diagnostic information and generates calibration reports at the touch of a screen.

Compatible System Controller

Touchpoint Plus is the perfect complement to Sensepoint XRL, providing an intuitive, easy to operate gas detection solution to meet the needs of your business.



Visual Integration

Clean aesthetics and a choice of colors mean that the detector appearance can be selected to compare or contrast with the environment in which it is being used.

Typical Applications

- Manufacturing facilities and factories
- Water treatment plants
- Battery charging facilities
- Vehicle test facilities
- Petrochemical plants
- Fuelling depots

Accessories

- Calibration cap
- Collecting cone
- Pole Mount Bracket Kit
- Duct Mount Kit
- Weather Protection
- Flow Housing

FEATURES & BENEFITS

- Choose from a range of mA or Modbus output versions for flexible system design to meet the customers requirements.
- Selectable source or sink current for analog output enables one detector to be suitable for both system configurations.
- The ingress protection of NEMA 4X/IP66 allows units to be installed in outdoor environemtns.
- Simplified maintenance with familiar smartphone technology saves money and time.
- Multi-color visual indicator to show status makes it easier to know the detector status immediately and identify detectors that require attention or are warning of danger.
- Manage the detector without making a physical connection. Remove the need for physical access to hard-to-reach devices.
- One person calibration without the need to open the detector. Saves time and removes need for hot work permit.

Sensepoint XRL Technical Specifications

PHYSICAL PROPERTIES	
DIMENSIONS	118 x 159 x 93 mm (4.4 x 6.2 x 3.6 in)
WEIGHT	1400 g (3.1 lb)
CASING MATERIAL	Aluminum alloy LM20 (charcoal or yellow)
INGRESS PROTECTION RATING	IP66, NEMA 4X
LIFETIME	10 years (excludes sensor)
AVAILABLE SENSORS	
FLAMMABLE, TOXIC GASES AND OXYGEN RANGES	• Combustible: 0 to 100 % LEL (adjustable between 20 and 100% LEL, Factory calibrated to Methane) • O_2: 0 to 25% vol • CO: 0 to 300 ppm (adjustable between 50 and 1000 ppm) • H_2: 0 to 1000 ppm • H_2S Low Range: 0 to 50 ppm (adjustable between 10 and 50 ppm) • H_2S High Range: 0 to 100 ppm (adjustable between 50 and 200 ppm)
POWER SUPPLY	
DC INPUT VOLTAGE	24 V DC[†]
AC INPUT VOLTAGE	24 V AC[‡], 50/60 Hz
INRUSH CURRENT	850 mA
OUTPUT	
ANALOG OUTPUT	0 to 22 mA
DIGITAL OUTPUT	Modbus RTU
MAXIMUM POWER CONSUMPTION	
mA VERSIONS	< 1.5 W (toxic), < 2.6 W (flammable)
MODBUS VERSIONS	< 1.0 W (toxic), < 2.0 W (flammable)
CONNECTION	
TYPE	Pluggable rising clamp style, 0.5 to 2.5 mm^2, 20 to 13 AWG

[†] mA versions: 11 to 32 VDC, Modbus versions: 9 to 32 VDC

[‡] All versions: 20 to 27 VAC

USER INTERFACE	
VISUAL INDICATOR	Multi-colour LED light ring • Flashing green: Normal[§] • Flashing red: Alarm • Flashing green and yellow: Warning • Flashing yellow: Fault • Solid yellow: Inhibited • Flashing blue: Bluetooth pairing in progress • Solid blue: Bluetooth connection established
WIRELESS INTERFACE	Bluetooth 4.0 (Bluetooth Low Energy). Dedicated mobile app, enabling wireless configuration and maintenance. Connect up to 10 m (30 ft) away (mobile device dependent). Use a compatible smartphone or other mobile device running Android 4.3 or above.
OPERATING ENVIRONMENT	
OPERATING TEMPERATURE	-40 to 65 °C (-40 to 140 °F)
STORAGE TEMPERATURE	0 to 30 °C (32 to 86 °F)
HUMIDITY	0 to 99% (non-condensing)
ATMOSPHERIC PRESSURE	90 to 110 kPa
CERTIFICATIONS	
ELECTRICAL SAFETY	EN/IEC/UL 61010-1 CSA C22.2 No. 61010-1-12
EMC	EN 50270:2015
RADIO	RED, FCC, IC
HAZARDOUS AREA	• ATEX ⟨Ex⟩ II 2 GD Ex db IIC T6 Gb Ex tb IIIC T85 °C Db Tamb -40 to +65 °C • IECEx Ex db IIC T6 Gb Ex tb IIIC T85 °C Db Tamb -40 to +65 °C • cULus Class I, Division 1 & 2, Groups B, C and D Class II, Division 1 & 2, Groups E, F and G Class I, Zone 1, AEx db IIC T6 Zone 21, AEx tb IIIC T85°C, IP6X Ex db IIC T6 GbX Ex tb IIIC T85°C DbX Tamb -40 to +65 °C, Temp Code T6
GAS PERFORMANCE	CSA C22.2 No.152-M1984, UL 2075, AS 1668.2

[§] LED behavior in normal condition can be changed by the user: green confidence flash, solid green or off.

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