

Sensepoint XCL

Fixed Gas Detector

Sensepoint XCL is a fixed point gas leak detector that is designed to meet the needs of commercial and light 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.

- Quicker 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 XCL is available with either mA loop analog output or Modbus RTU with the option for relays on both. The result is a flexible solution that can easily be incorporated into legacy systems as well as new installations.

Faster Installation

Everything you need for installation is in the box, including simple drilling templates.

Easy Control and Maintenance

Sensepoint XCL's smartphone interface makes for much faster calibration, configuration and bump tests. Inspecting the status and settings of individual Sensepoint XCL 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 XCL 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 XCL, providing an intuitive, easy to operate gas detection solution to meet the needs of your business.



Visual Integration

Sensepoint XCL is designed with the needs of building architects in mind. Clean aesthetics and a choice of colors mean that the detector is ideal for public spaces like lobbies and retail environments.

Typical Applications

- Kitchens and food processing
- Manufacturing facilities and factories
- Hospitals
- Retail sites
- Transportation and parking
- Laboratories
- Hotel and leisure
- Apartments, accommodation blocks and condominiums

Accessories

- Calibration cap / flow housing
- Duct mount kit for round or flat profile ducts

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.
- Optional relay output for external control systems or alarming devices enables easy integration and local indication.
- The ingress protection of IP65 allows units to be mounted in wash down areas.
- 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.
- Gassing port for easier bump test of units installed in inaccessible locations. No need to purchase a separate accessory and thus saves money.
- Manage the detector without making a physical connection. Remove the need for physical access to hard-to-reach devices.
- Simplified maintenance with familiar smartphone technology saves money and time.

Sensepoint XCL Technical Specifications

PHYSICAL PROPERTIES	
DIMENSIONS	113 x 113 x 59 mm (4.4 x 4.4 x 2.3 in)
WEIGHT	500 g (1.1 lb)
CASING MATERIAL	Polycarbonate (charcoal or white)
INGRESS PROTECTION RATING	IP65, Type 4 (in accordance with NEMA 250)
LIFETIME	10 years (excludes sensor)
AVAILABLE SENSORS	
FLAMMABLE, TOXIC GASES AND OXYGEN RANGES	<ul style="list-style-type: none"> • Combustible: 0 to 100 % LEL (factory calibrated to Methane) • O₂: 0 to 25% vol • CO: 300 ppm (adjustable between 50 and 1000 ppm) • H₂: 1000 ppm • H₂S Low Range: 50 ppm (adjustable between 10 and 50 ppm) • H₂S High Range: 100 ppm (adjustable between 50 and 200 ppm) • NO₂: 20 ppm (adjustable between 5 and 50 ppm) • NH₃: 200 ppm (adjustable between 50 and 200 ppm) • CO₂ (ppm range): 5,000 ppm (adjustable between 1,000 and 5,000 ppm) • CO₂ (% vol range): 5.0% vol (adjustable between 1.0 and 5.0% vol)
POWER SUPPLY	
NOMINAL DC INPUT VOLTAGE	24 V DC [†]
NOMINAL AC INPUT VOLTAGE	24 V AC [‡] , 50/60 Hz
MAXIMUM INRUSH CURRENT	850 mA
OUTPUT	
ANALOG OUTPUT	0 to 22 mA
DIGITAL OUTPUT	Modbus RTU
RELAY OUTPUT	2 relays rated at 24 V DC / 240 V AC, 5 A
MAXIMUM POWER CONSUMPTION	
mA VERSIONS	< 1.2 W (toxic), < 1.7 W (flammable and CO ₂)
MODBUS VERSIONS	< 0.7 W (toxic), < 1.2 W (flammable and CO ₂)
RELAY VERSIONS	Additional 0.6 W total

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

[‡] All versions: 20 to 27 VAC

CONNECTION	
TYPE	Pluggable rising clamp style, 0.5 to 1.5 mm ² , 20 to 16 AWG.
USER INTERFACE	
VISUAL INDICATOR	Multi-colour LED light ring <ul style="list-style-type: none"> • 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 away (mobile device dependent). Use a compatible smartphone or other mobile device running Android 4.3 or above.
OPERATING ENVIRONMENT	
OPERATING TEMPERATURE	-20 to 50°C (-4 to 122 °F)
STORAGE TEMPERATURE	0 to 30°C (32 to 86 °F)
HUMIDITY	0 to 99% (non-condensing) [¶]
ATMOSPHERIC PRESSURE	90 to 110 kPa
APPROVALS	
ELECTRICAL SAFETY	EN/UL/IEC61010-1 CSA-C22.2 No. 61010-1-12
EMC	EN 50270
RADIO	RED, FCC
OTHER	UL2075 (CO and CH ₄), AS 1668.2

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

[¶] Flammable catalytic versions: 10 to 90% RH. Operating the detector outside of this range may result in increased drift and a reduction in detector accuracy.

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DS_01178 | Rev. 01 | 05/2018

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