

▶ XCD-RFD & XCD-RTD

Transmitter for remote gas detector



Technical specifications

Input voltage range:

18 to 32 Vcc (24 Vcc nominal voltage)

Outputs: 4-20 mA for the measurement + 2 alarm relays + 1 fault relay + RS485 communication

Materials: housing aluminum alloy (2 Kg) or 316 stainless steel (5 Kg)

Inputs: 2 x M20 + 1 x M25

Mounting: integrated mounting plate with 4 fixing holes for M8 bolts

Protection class: IP66

Humidity: 0 to 99 % HR

Certification: ATEX Ex II 2 GD Ex d IIC Gb T6, Ex tb IIIC T85°C Db, HSE PM84 compliant

XCD RTD – Detected gases

Sensepoint detector:

Hydrogen sulfide (H₂S); Carbon monoxide (CO); Chlorine (Cl₂); Ammonia (NH₃); Hydrogen (H₂); Nitrogen monoxide (NO); Sulfur dioxide (SO₂); Nitrogen dioxide (NO₂); Oxygen (O₂) or any other 4-20 mA sensor

XCD RFD – Detected gases and performances

The complete Honeywell Signalpoint and Sensepoint range in combustible version

Default measure range: 0 - 100% LEL

Product description

2 types of transmitters depending on gas type:

The XCD-RFD transmitter (Remote Flammable Detector) has been specifically designed for use with remote flammable gas sensors. This configuration is ideal for applications requiring the sensor to be positioned away from the transmitter, in areas where temperatures are significantly higher than ambient temperature (up to 150 ° C) or in areas with difficult access.

The XCD-RTD transmitter (Remote Toxic Detector) specially designed for use with the Sensepoint range of oxygen and toxic gas sensors. It can also be placed away from the sensor area. Sensepoint oxygen and toxic gas sensors are available in a wide variety of gases with different measuring ranges. The gas sensor can be installed directly on the transmitter or remotely.

These transmitters can be placed up to 30 meters from the gas sensor in an appropriate place where it will be easy to access it, to view its display screen and to interact with it via the user interface.

A three-color backlit LCD display clearly and immediately indicates the status of the device by displaying numbers, diagrams and icons. A permanent green backlight indicates that the detector is functioning normally. If the backlight is flashing yellow, it indicates an error and if it is flashing red, an alarm condition. This feature can be particularly useful to quickly and easily identify the status of a detector.



All transmitters are supplied preconfigured and consist of two programmable alarm relays, one programmable error relay, as well as a 4-20 mA output (selectable sink or source) and a MOD-BUS output. Transmitters can be configured later using the LCD display and non-intrusive magnetic switches.