

HAZARDOUS LOCATIONS

EXPLOSION PROOF GAS MONITOR / TRANSMITTER SPXCD SERIES



Honeywell Analytics
experts in gas detection

DESCRIPTION

The **Honeywell Analytics XCD Series explosion proof gas monitor/transmitter** provides comprehensive monitoring of flammable, toxic, and oxygen gas hazards in potentially explosive atmospheres. Users can modify detector operation using the LCD and magnet switches without ever needing to open the unit. This enables one-man, non-intrusive operation and reduces routine maintenance time and costs. The **XCD series** is suitable for both indoor and outdoor use.



FEATURES

- *User friendly and intuitive tri-colored backlit display with digits, bar graph, and icons*
- *Fully configurable via magnetic switches*
- *Selectable sink or source 4-20 mA output*
- *Built in Alarm and Fault relays*
- *MODBUS communications for remote diagnostics/configuration*
- *Removable plug in display module provides easy access to terminal area*

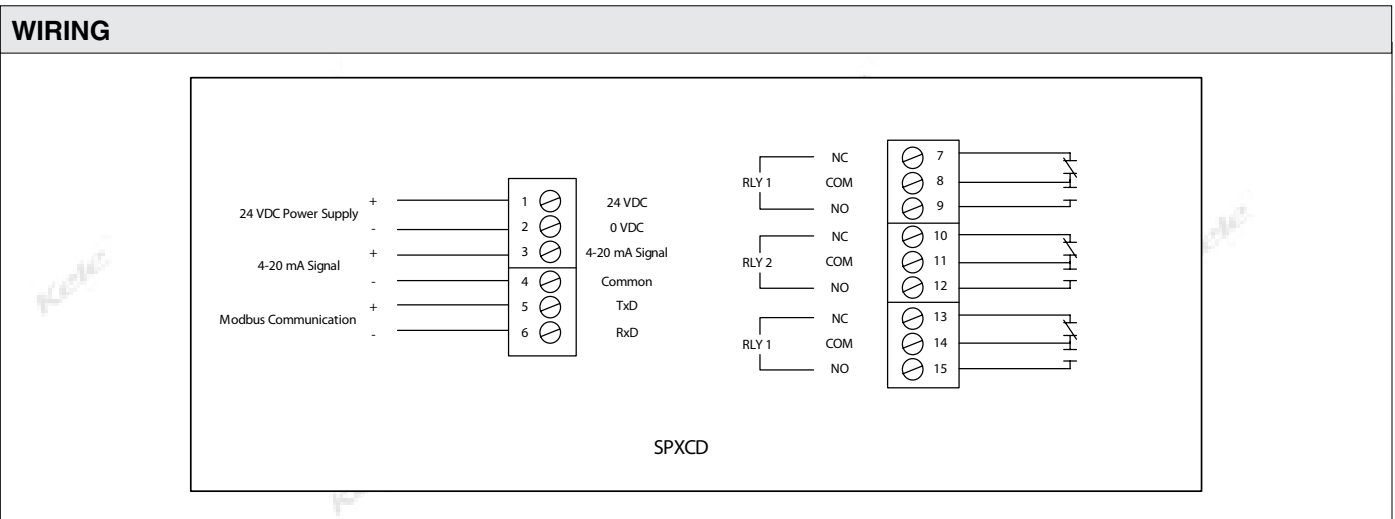
- *Integral mounting bracket*
- *2 x M20 or 3/4" NPT cable/conduit entries*
- *Epoxy painted aluminum alloy housing*
- *Class I, Division 1 Groups B, C, and D; Class I, Division 2, Groups B, C, and D; Class II, Division 1 Groups E, F, and G; Class II, Division 2, Groups F and G*



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COMMON SPECIFICATIONS	
Supply Voltage	16 to 32 VDC @ 208.3 mA
Operating Temperature	-40° to 149°F (-40° to 65°C)
Conduit Connection	2 x 3/4" NPT
Enclosure Rating	NEMA 4, IP66; Housing: Epoxy painted aluminum alloy LM25; Sensor: stainless steel
Mounting	Integral mounting plate with 4 x mounting holes suitable for M8 bolts
Communication	RS485, MODBUS RTU
Inrush Current	800 mA @ 24 VDC maximum
Output Current	4 - 20 mA sink or source
Relay Output	3 x 5A @ 250VAC. Selectable normally open or normally closed (switch) and energized/de-energized (programmable). Alarm relays default normally open/de-energized. Fault relay default normally open/energized
Terminals	15 x screw terminals
Wire Size	20 to 14 AWG
Dimensions	8.9"H x 6.5"W x 3.9"D (2.25 x 16.4 x 9.9 cm)
Weight	4.4 lb (2 Kg)
Approvals	UL File #E186567, CE
Warranty	1 year





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INDIVIDUAL SPECIFICATIONS									
GAS	User Selectable Full Scale Range	Default Range	Steps	User Selectable Calibration Gas Range	Default Calibration Point	Response Time (T90)	Accuracy	Default Alarm Points	
								A1	A2
Electrochemical Sensors									
Oxygen (O ₂)	25.0% V/V only	25.0% V/V	n/a	20.9 V/V (fixed)	20.9 V/V	<30 sec	≤± 0.5% Vol.	19.5 V/V ▼	23.5 V/V ▲
Hydrogen Sulfide (H ₂ S)	10 to 100 ppm	50 ppm	1.0 ppm	30 to 70% of selected full scale range	25 ppm	<50 sec	≤± 1 ppm	10 ppm ▲	20 ppm ▲
Carbon Monoxide (CO)	100 to 1000 ppm	300 ppm	100 ppm		100 ppm	<30 sec	≤± 6 ppm	100 ppm ▲	200 ppm ▲
Hydrogen (H ₂)	1000 ppm only	1000 ppm	n/a		500 ppm	<65 sec	≤± 25 ppm	200 ppm ▲	400 ppm ▲
Nitrogen Dioxide (NO ₂)	10 to 50 ppm	10 ppm	5.0 ppm		5 ppm	<40 sec	± 3 ppm or ± 20%	0.7 ppm ▲	2 ppm ▲
Catalytic Bead Sensors									
Flammable	20 to 100% LEL	100% LEL	10% LEL	25 to 95% of selected full scale range	50% LEL	<25 sec	≤± 1.5% LEL	20% LEL ▲	40% LEL ▲
Infrared Sensors									
Methane (CH ₄)	20 to 100%	100% LEL	10% LEL	30 to 70% of selected full scale range	50% LEL	<40 sec	≤± 1.5% LEL	20% LEL ▲	40% LEL ▲
Propane (C ₃ H ₈)	20 to 100% LEL	100% LEL	10% LEL		50% LEL	<40 sec	≤± 1.5% LEL	20% LEL ▲	40% LEL ▲
Carbon Dioxide (CO ₂)	2% Vol only	2% V/V	N/A		1% V/V	<40 sec	≤± 2% Vol.	0.40% V/V ▲	0.80% V/V ▲

▼ Falling Alarm ▲ Rising Alarm

ORDERING INFORMATION

MODEL	DESCRIPTION
SPXCDULNCXM	UL/CSA Approved Carbon Monoxide 0-250ppm, 4-20mA, 3 Relays, ModBus, Aluminum Enclosure
SPXCDULNFXM	UL/CSA Approved Combustibles 0-100% LEL, 4-20mA, 3 Relays, ModBus, Aluminum Enclosure
SPXCDULNHXM	UL/CSA Approved Hydrogen Sulfide 0-50ppm, 4-20mA, 3 Relays, ModBus, Aluminum Enclosure
SPXCDULNNXM	UL/CSA Approved Nitrogen Dioxide 0-50ppm, 4-20mA, 3 Relays, ModBus, Aluminum Enclosure
SPXCDULNO1M	UL/CSA Approved Oxygen 0-25%, 4-20mA, 3 Relays, ModBus, Aluminum Enclosure
SPXCDULNG1M	UL/CSA Approved Hydrogen 0-1000ppm, 4-20mA, 3 Relays, ModBus, Aluminum Enclosure
SPXCDULNRXM	UL Approved Methane 0-100% LEL, 4-20mA, 3 Relays, ModBus, Aluminum Enclosure
SPXCDULNPXM	UL Approved Propane 0-100% LEL, 4-20mA, 3 Relays, ModBus, Aluminum Enclosure
SPXCDULNB1M	UL Approved Carbon Dioxide 0-2% VOL, 4-20mA, 3 Relays, ModBus, Aluminum Enclosure
S3KCAL	Calibration cap
SPXCDCC	Collecting cone for use with lighter than air gases
SPXCDDMK	Duct mounting kit
SPXCDMTBR	Mounting bracket (inc. bolts, nuts, brackets)
SPXCDSPD	Sunshade / Deluge Protection