



**Specifications**

Size	4 1/2 x 4 x 2 1/8 in. (11.4 X 10.2 X 5.4 cm)
Weight	1 pound (0.45 kg)
Voltage/Current	<b>12-Series</b> Power: 100-240 VAC (50 to 60 HZ) Current: 1.0 A MAX
Operating Temperature	-4°F to 122°F (-20°C to 50°C)
Ambient Humidity	10-90% RH non-condensing
Display	LED (can turn on/off)
Current Loop	Analog: 4-20mA
Mounting	4" x 4" electrical box
Relays	5A Fan relay & 0.5A alarm relay User adjustable settings
Certifications	ETL Listed *See detector manual for additional certifications
Warranty	Two year limited warranty



Grey Housing (Standard)

**Key Features**

- Easy installation to 4x4 electrical boxes via mud plate
- User selectable settings (Default to industry standards) via two-button interface
- 5 A SPDT fan relay, 0.5A alarm relay to control fans, valves, louvers, horn and strobes
- 4-20mA output to control VFDs and send to BMS
- LED display to show gas concentrations easily

Model Number	Gas Type
FDS-SA-CX-12	Carbon Monoxide (CO) & Nitrogen Dioxide (NO <sub>2</sub> )
FDS-SA-CM-12	Carbon Monoxide (CO)
FDS-SA-GD-12	Propane (LP) Methane (NG) Hydrogen (H <sub>2</sub> )
FDS-SA-TX-12-ND	Nitrogen Dioxide (NO <sub>2</sub> )

Model Number	Range (Units)	Low Level Alarm Adjustable (Default)	High Level Alarm Adjustable (Default)	Expected Sensor Life	Recommended Coverage Area*
FDS-SA-CX-12	(CO) 0-200 PPM (NO <sub>2</sub> ) 0-20 PPM	Refer to CM-12 (CO) & TX-12-ND (ND)	Refer to CM-12 (CO) & TX-12-ND (NO <sub>2</sub> )	2 Years**	Up to 7,500 sq. ft.
FDS-SA-CM-12	0-200 PPM	0, 15, 25, 35, 50 or 100 PPM	0, 50, 100, 150 or 200 PPM	10 Years	Up to 7,500 sq. ft.
FDS-SA-GD-12	0-50% LEL	0, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20% LEL	OFF, 5, 10, 15, 20, 25% LEL	5 Years	Up to 1,257 sq. ft.
FDS-SA-TX-12-ND	0-20 PPM	0, 0.5, 0.7, 1.0, 1.2, 1.5, 1.7, 2.0, 2.2, 2.5, 2.7, 3.0, 3.2, 3.5, 3.7, 4.0, 4.2, 4.5, 4.7, 5.0 PPM	0-20 PPM, (5 PPM default)	2 Years**	Up to 7,500 sq. ft.

\*\* Replaceable Sensor \*Coverage Area is Application Dependent

