SenSmart 3000 Series

"The Art of Gas Detection" - *Built with our Proven ST-48 Transmitter*

Aluminum "AL" XP model
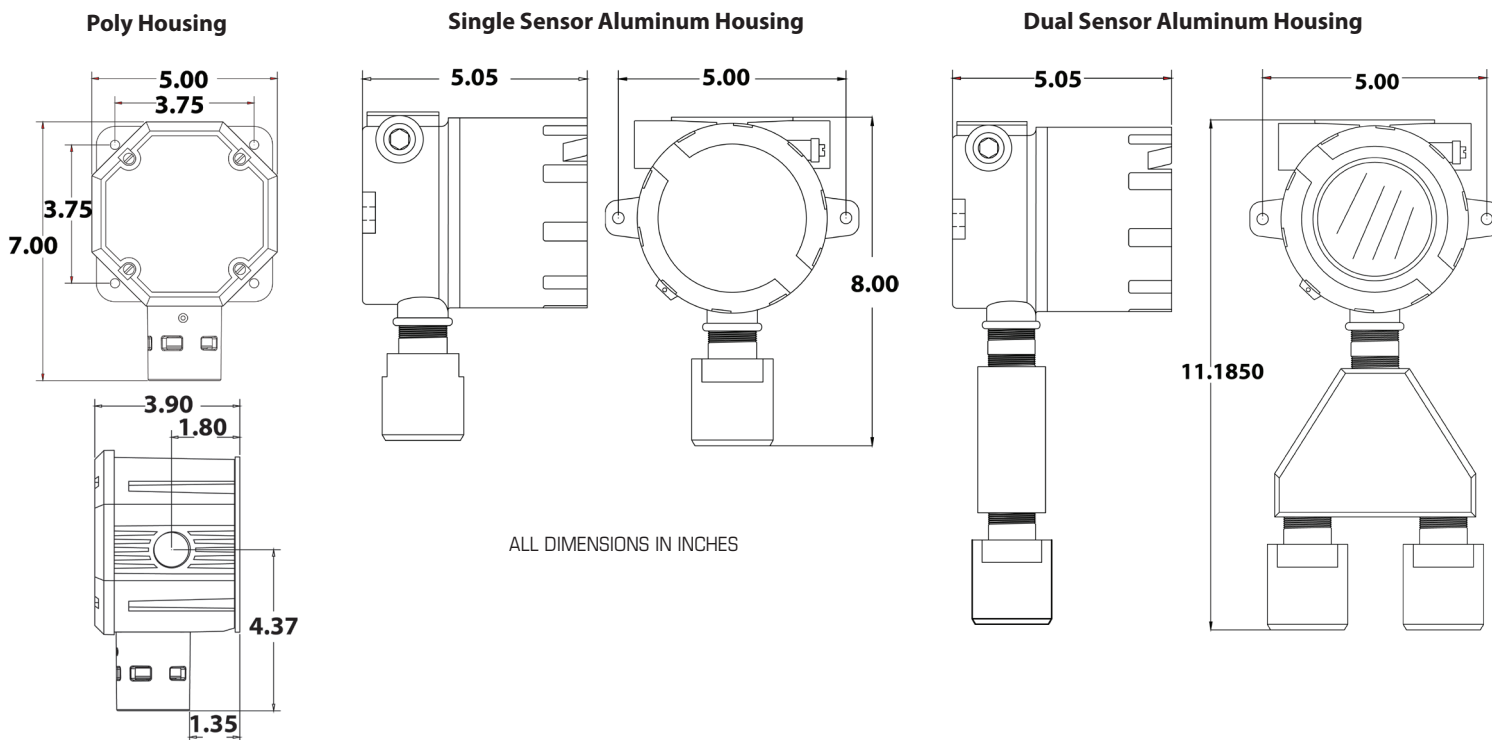

Non-metallic Poly "PY" Div 2 model

Aluminum "AL" XP model wtih Dual Sensor

The **SenSmart 3000** 3-wire gas detector is built with our reliable 'ST-48' smart transmitter, which provides the cutting-edge technology in toxic and combustible gas detection. It's a universal, easy to use detector that supports dual smart sensor with different types, including electrochemical, Catalytic Bead, Infrared and Photoionization sensors.

FEATURES HIGHLIGHT

- CSA Certified for Class I, Div 1 Locations
- Graphic LCD display shows values, units, trend graph, alarm levels
- Backlit display for better visibility in low light conditions
- LED indication of alarm status
- Dual smart sensor capable
- Supports both local and remote sensors for easy installation
- Non-intrusive, prompted calibration with programmable cal-gas
- Power-up and post-calibration delays eliminate false alarms
- Options for 3x 5A alarm contacts, isolated 4-20mA and MODBUS®

- Auto-recognition of Smart Sensors uploads calibration data and more
- Real-time clock and calendar logs alarms, calibration and power-up events
- Security mode allows locking of critical parameters
- Fault supervision circuitry detects failed sensor and transmits warning
- Setup in hazardous area requires only simple magnetic wand

Power Supply	Power Input 10-30VDC at < 6.5 watts with relay board (all relay energized)
Display	Backlit 64 x 128 pixel LCD with 30-minute trend, bar graph and engineering units display
Channel One Input	Electrochemical toxic and oxygen sensors / 4-20ma current input
Channel Two Input	Catalytic Bead, Infrared and Photoionization sensor / 4-20mA current input
Standard Output	Dual 3-wire 4-20mA current source. Max loop R is 750 ohms with nominal 24VDC power supply
Optional Outputs	Dual isolated 4-20mA current source. Max loop Resistance is 650 ohms with nominal 24VDC; MODBUS slave ports; 3x programmable alarm relays with 5A capability
Temp	Electronics -40°C to +60°C
Housing	Aluminum with epoxy paint standard; Optional #316 stainless steel, Optional Ul94 Poly Black Plastic Enclosure
Dimensions	(Aluminum) Width 5.4" (137 mm), Height 8" (203 mm), Depth 5" (127 mm) Shipping weight 6.5 pounds (3 kg) (Poly) Width 5" (127 mm), Height 7" (178 mm), Depth 4" (101 mm) Shipping weight 3 pounds (2 kg)
CSA Approvals	**Cast Aluminum Enclosure:** Explosion-Proof Cl 1 Div 1 Gr ABCD with 10-0247 (includes sinter) Non-Incendive Cl 1 Div 2 Gr ABCD with 10-0247 or 10-0247IS **UL94 Poly Black Plastic Enclosure:** Non-Incendive Cl 1 Div 2 Gr ABCD
Warranty	RC Systems warrants the SenSmart 3000 to be free from defects in workmanship and materials for a period of 12 months from initial installation or 18 months from ship date. For sensor warranty see sensor specifications sheet.

Poly Housing

5.00
3.75
3.75
7.00
3.90
1.80
4.37
1.35

Single Sensor Aluminum Housing

5.05
5.00
8.00

ALL DIMENSIONS IN INCHES

Dual Sensor Aluminum Housing

5.05
5.00
11.1850

RC SYSTEMS