

# SenSmart 5000 Series

"The Art of Gas Detection"



Non-metallic Poly "PY" Div 2 model



Aluminum "AL" XP model

The State-of-the-art **SenSmart 5000** gas detector is RC Systems' newest release to the gas detection industry. No competitive product offers as many features or better performance to cost ratio. With a bright, vivid backlit color display, Modbus and programmable relays, it will satisfy the most demanding application's requirements. The high performance, universal gas detector supports all temperature compensated smart sensor types including Electrochemical, Catalytic Bead, Infrared and Photoionization sensors. It even has Arctic options available for extreme low temperature installations.

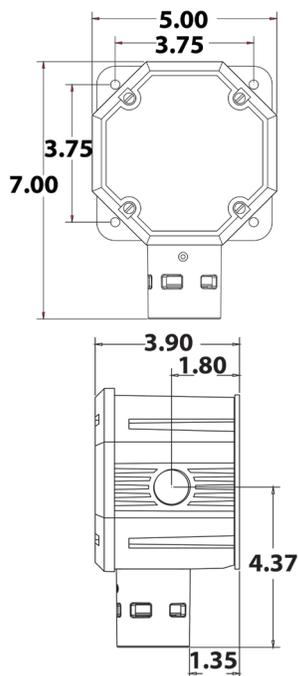
## FEATURES HIGHLIGHT:

- CSA Certification for Class 1, Div 1 and Class 1 Div 2 locations
- Color backlit LCD Display
- Display Color Changes with Alarm Status
- Generation 2 Smart Sensor Compatible for increased signal stability
- Sensor Life Indication
- Remote Sensor Mount up to 4000'
- Non-intrusive One-Man Calibration
- Temperature Compensation
- Two RS-485 Ports for Modbus
- 3 Programmable Relays and Fault Relay Available
- Heated elements available for low temperature
- Remote SmartCal feature allows user to initiate calibrations from connected RCS controller via Modbus connection

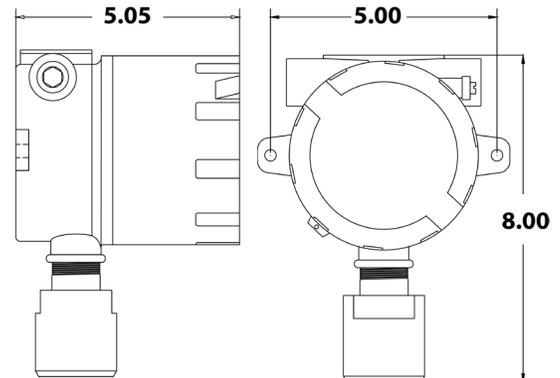
## SPECIFICATIONS

<b>Power Supply</b>	10-30VDC at < 10 watts with relay board (all relays energized)
<b>Display</b>	128x64 pixel color backlit LCD display
<b>Sensor Input</b>	Electrochemical, Catalytic Bead, Infrared, Photoionization Detector sensor; Modbus 4-20mA
<b>Standard Output</b>	3-wire 4-20mA current source. Max loop Resistance 600 ohms @ 24VDC
<b>Optional Outputs</b>	Two programmable relays plus dedicated FAULT relay Dual master / slave MODBUS RS-485 serial interfaces
<b>Environmental</b>	Operating range -40°C to +60°C Sensors include sensor heater for low temperature operation Relative humidity to 95% for IR; to 85% noncondensing when using electrochemical sensors
<b>Housing</b>	Aluminum with epoxy paint standard; Optional #316 stainless steel, Optional UI94 Poly Black Plastic Enclosure
<b>Dimensions</b>	(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)
<b>Approvals</b>	CSA Certification for: Class I, Div1, Group A, B, C, D, Class I, Zone 1, Group IIC, T4 Class I, Div 2 Groups A, B, C, D, Class I, Zone 2, Group IIC, T4,
<b>Warranty</b>	5 year limited warranty For sensor warranty see sensor specifications sheet.

**Poly Housing**



**Single Sensor Aluminum Housing**



ALL DIMENSIONS IN INCHES