

# SensePoint

"The Art of Gas Detection"

The **SensePoint** gas detector is R.C. Systems' newest solution for single point monitoring with local alarm indication. Ideal for laboratory and commercial environments. With a bright, vivid backlit color display, Modbus and programmable relays, it will satisfy the most demanding application's requirements. The **SensePoint** 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.



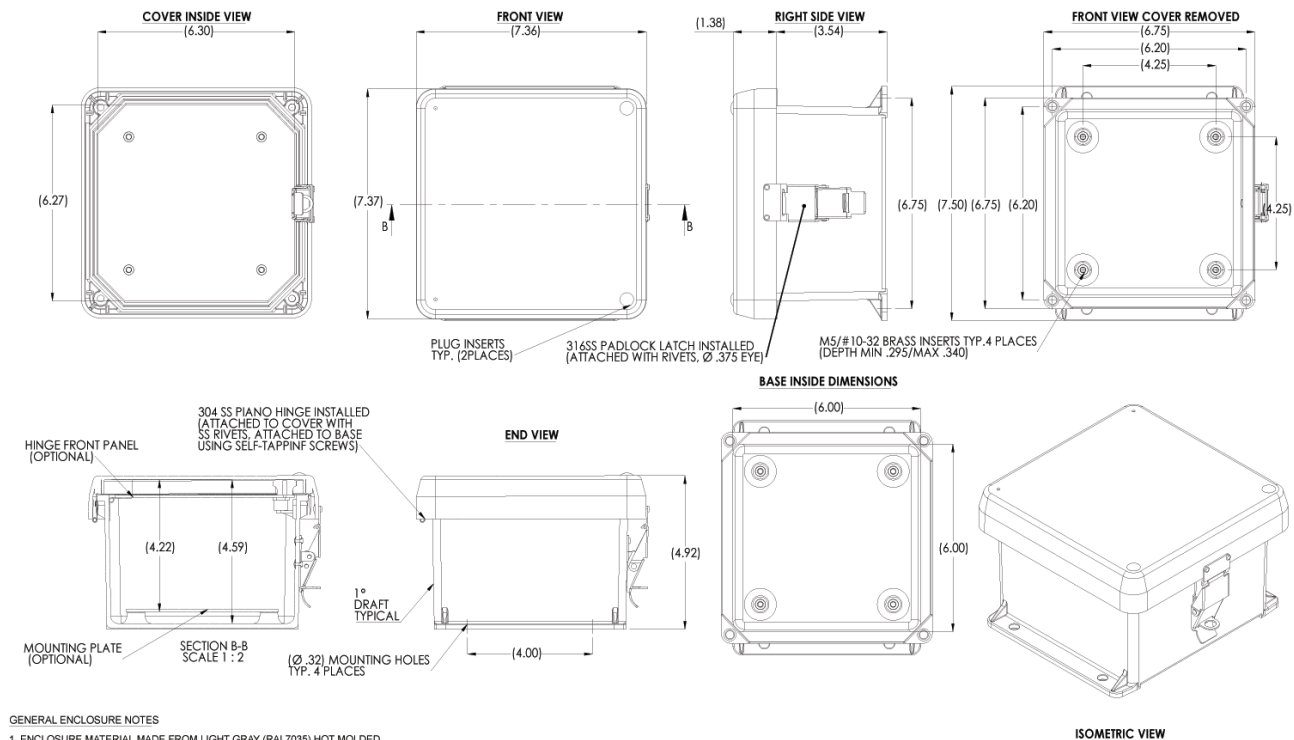
## FEATURES HIGHLIGHT:

- Color backlit LCD Display
- Display Color Changes with Alarm Status
- Generation 2 Smart Sensor Compatible for increased signal stability
- Sensor Life Indication
- Remote Sensor Option
- Non-intrusive One-Man Calibration
- Temperature Compensation
- RS-485 Modbus Port
- 3 programmable relays (Note: adding audio and/or visual alarm options to your configuration reduces relay availability. Ex: Piezo selection will occupy one programmable relay and strobe selection will occupy a second programmable relay.)
- Heated elements available for low temperature
- Multi color visual alarm indicator
- Audible alarm indicator

## SPECIFICATIONS

|                      |                                                                                                                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Power Supply</b>  | Input: 110/230 VAC, Output: 24 VDC at 15 watts                                                                                                                                            |
| <b>Display</b>       | 128x64 pixel color backlit LCD display                                                                                                                                                    |
| <b>Sensor Input</b>  | Electrochemical, Catalytic Bead, Infrared, Photoionization Detector sensor; Modbus, 4-20mA                                                                                                |
| <b>Output</b>        | 3-wire 4-20mA current source. Max loop Resistance 600 ohms @ 24VDC<br>Three programmable relays (adding local alarming will reduce relay availability)<br>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>       | NEMA 4x Fiberglass                                                                                                                                                                        |
| <b>Dimensions</b>    | [Outside] Width 7.31" (186 mm), Height 7.31" (186 mm), Depth 4.96" (126 mm)<br>[Inside] Width 6" (152 mm), Height 6" (152 mm), Depth 4.10" (104 mm)<br>Shipping weight 6.5 pounds (3 kg)  |
| <b>Audible</b>       | 94 dB at 1 meter                                                                                                                                                                          |
| <b>Warranty</b>      | Up to 5 years * see standard warranty clause on our website                                                                                                                               |

ALL DIMENSIONS IN INCHES



- GENERAL ENCLOSURE NOTES
- ENCLOSURE MATERIAL MADE FROM LIGHT GRAY (RAL7035) HOT MOLDED FIBERGLASS REINFORCED POLYESTER.
  - U.L. LISTED PER STD. 508 (FILE# E192121) PRIOR TO MODIFICATIONS.
  - C.S.A. CERTIFIED PER STD. C22.2 No 94 (FILE# LR36508) PRIOR TO MODIFICATIONS.
  - N.E.M.A. RATED TYPE 3, 3R, 4, 4X, 12 & 13 PRIOR TO MODIFICATIONS.
  - I.E.C.-529 RATED IP66 PRIOR TO MODIFICATIONS.
  - TEMPERATURE RANGES FROM -50°C TO 150°C.
  - SELF EXTINGUISHING AND HALOGEN FREE.
  - CABINETS ARE MAINTENANCE FREE & CORROSION RESISTANT.

# SensePoint 2

## "The Art of Gas Detection"

The **SensePoint 2** gas detector is R.C. Systems' newest solution for dual point monitoring with local alarm indication. Ideal for laboratory and commercial environments. With a bright, vivid backlit color display, Modbus and programmable relays, it will satisfy the most demanding application's requirements. The **SensePoint 2** 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:

- Vivid QVGA Backlit Color TFT Display
- Display Color Changes with Alarm Status
- Dual Generation 2 Smart Sensor Compatible for increased signal stability
- Sensor Life Indication
- Remote Sensor Option
- Non-intrusive One-Man Calibration
- Temperature Compensation
- Two RS-485 Modbus Port
- 3 programmable relays and Fault relay [Note: adding audio and/or visual alarm options to your configuration reduces relay availability. Ex: Piezo selection will occupy one programmable relay and strobe selection will occupy a second programmable relay.]
- Heated elements available for low temperature
- Multi color visual alarm indicator
- Audible alarm indicator

## SPECIFICATIONS

|                              |                                                                                                                                                                                                                   |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Power Supply Optional</b> | Input: 110/230 VAC, Output: 24 VDC at 15 watts                                                                                                                                                                    |
| <b>Display</b>               | QVGA backlit color TFT 320x240                                                                                                                                                                                    |
| <b>Sensor Input</b>          | Electrochemical, Catalytic Bead, Infrared, Photoionization Detector sensor, Modbus, 4-20mA                                                                                                                        |
| <b>Standard Output</b>       | Dual 4-20mA current source. Max loop Resistance 600 ohms @ 24VDC, Modbus/TCP                                                                                                                                      |
| <b>Optional Outputs</b>      | Three programmable relays plus dedicated FAULT relay (form C , rated 5 amp at 30 VDC or 240 ~VAC RESISTIVE)<br>Dual programmable 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>               | Polycarbonate 10% Fiberglass Reinforced                                                                                                                                                                           |
| <b>Dimensions</b>            | (Outside) Width 8.60 " (218.4 mm), Height 8.37 " (212.6 mm), Depth 5.12 " (130.0 mm)<br>(Inside) Width: 7.47" (189.8 mm), Height: 7.25" (184.1 mm), Depth: 4.59 " (116.6 mm)"<br>Shipping weight 10 pounds (3 kg) |
| <b>Audible</b>               | 1000 - 0668, 94 dB at 1 meter<br>1000 - 3939, 97 dB<br>1000 - 3143, 110 dB                                                                                                                                        |

ALL DIMENSIONS IN INCHES

