



SenSmart 7000

Installation Guide



Flammable & Toxic Gas Detectors
Smart Alarm Controllers
Fire & Gas System Engineering
Technical Service & Support



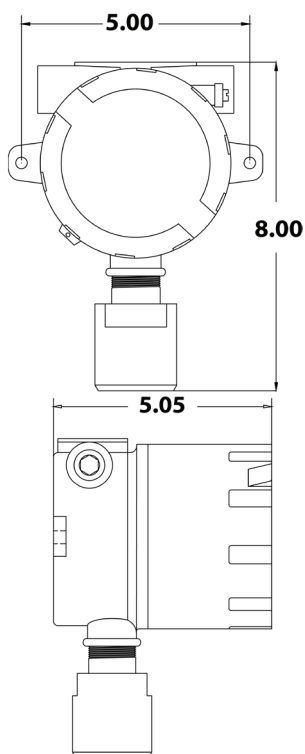
Warning: Read & understand contents of this manual prior to operation. Failure to do so could result in serious injury or death.

GETTING STARTED

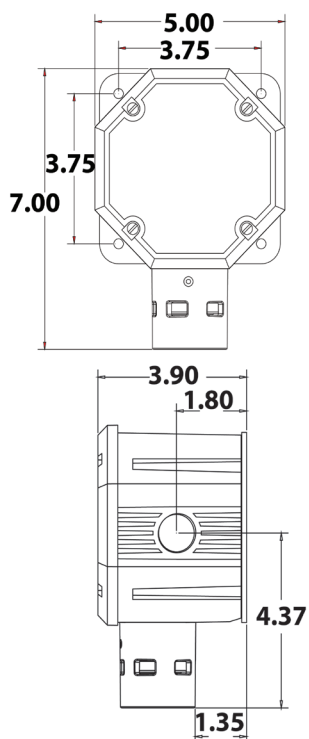
Gas Detector Installation and Power-up

- 1** **Installation of Gas Detector**
 - A.** Mount the Gas Detector in desired location.
(see Figure 1 for mounting dimensions.)
 - B.** Remove windowed lid from unit.
 1. AL Enclosure unscrew lid and remove thumbscrew to access terminals
 2. PY Enclosure - unscrew (4) lid screws to access terminals
 - C.** Remove thumb screws and pull display to the side.
(Aluminum Enclosure)

Figure 1 - mounting dimensions



Aluminium



Polycarbonate

GETTING STARTED

Power Up/Standard Output Installation

2

SenSmart 7000

- A. Ensure 3.06V Lithium D Cell battery is installed observing proper polarity
(See Figure 2)
- B. Hold Magnet over UP/ON key to turn gas detector on
(See Figure 2)
- C. For SenSmart 7000 wireless network setup, please refer to the WaveNet User Manual

3

SenSmart 7000X

- A. Connect 10-30VDC power lead to TB2.1 or TB2.3
(See Figure 2)
- B. Connect Common lead to TB2.2 or TB2.4
(See Figure 2)
- C. For wireless network setup, please refer to the WaveNet Manual

Figure 2 - SenSmart 7000 Battery Board

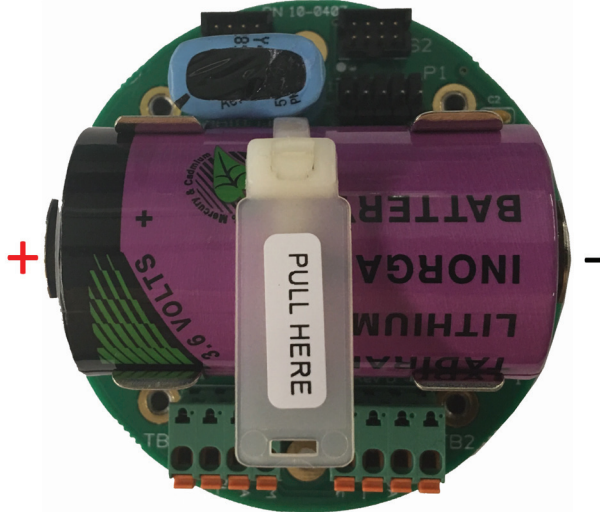
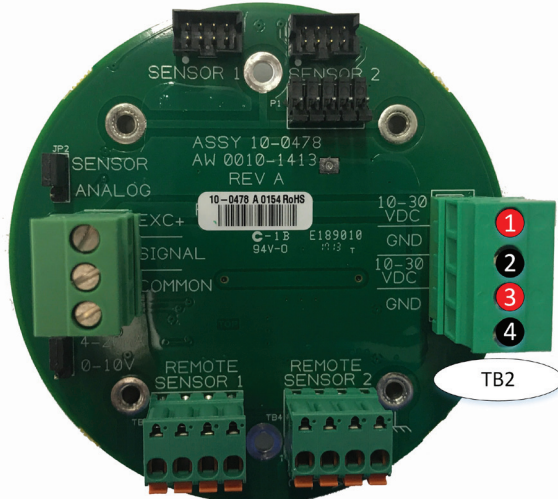


Figure 3 - SenSmart SenSmart 7000X wiring

TB2.① or TB2.③ -
10 to 30VDC Positive (+)

TB2.② or TB2.④ -
10 to 30VDC Common (-)



FINALIZE INSTALLATION

1

- A.** Replace display and tighten screws.
- B.** Apply power to unit and observe power up screen.
- C.** After the warm up period, observe gas type and gas concentration on screen.
- D.** Using appropriate magnet, swipe Down Key on the display. Follow on-screen prompts to perform calibration check.

SPECIFICATIONS

Power Supply	SenSmart 7000	Replaceable internal D-cell lithium battery; 9 months Toxic/Oxygen and 6 months LEL operation
	SenSmart 7000X	10-30VDC
Inputs	SenSmart 7000	Single or dual channel input from toxic or infrared hydrocarbon combustible sensors
	SenSmart 7000X	Single or dual channel input from toxic or infrared hydrocarbon combustible sensors and analog inputs: 0-10V or 4-20mA
Output	ALL	License-free 900Mhz or 2.4Ghz frequency-hopping spread spectrum (FHSS) wireless modem with data encryption 900MHz power adjustable from 10mW to 1.0 watt/0-30dBm 2.4GHz output set at 125mW/21dB, (Output power can be factory adjusted to less than 100 mW upon request.)
Enviornmental	ALL	-40°C to +60°C (see sensor limitations)
Approvals	ALL	FCC 15.247 & Industry Canada (IC), CSA Certified for Class 1, Division 2 hazardous locations
Warranty	ALL	5 year limited warranty For sensor warranty see sensor specifications sheet.



R.C. Systems provides 24/7 superior technical support from experts right here in our local facility.

If you are in need of any assistance during the setup of this product, you may contact our main office and your call will be directed appropriately.

At R.C. Systems we are proud to supply quality products and are happy to help if you have any questions or concerns.

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