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

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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 (-)
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.
<table>
<thead>
<tr>
<th><strong>SPECIFICATIONS</strong></th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Power Supply</strong></th>
<th>SenSmart 7000</th>
<th>Replaceable internal D-cell lithium battery; 9 months Toxic/Oxygen and 6 months LEL operation</th>
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</thead>
<tbody>
<tr>
<td>SenSmart 7000X</td>
<td></td>
<td>10-30VDC</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Inputs</strong></th>
<th>SenSmart 7000</th>
<th>Single or dual channel input from toxic or infrared hydrocarbon combustible sensors</th>
</tr>
</thead>
<tbody>
<tr>
<td>SenSmart 7000X</td>
<td></td>
<td>Single or dual channel input from toxic or infrared hydrocarbon combustible sensors and analog inputs: 0-10V or 4-20mA</td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th><strong>Output</strong></th>
<th>ALL</th>
<th>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.)</th>
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<table>
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<tr>
<th><strong>Environmental</strong></th>
<th>ALL</th>
<th>-40°C to +60°C (see sensor limitations)</th>
</tr>
</thead>
</table>

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<thead>
<tr>
<th><strong>Approvals</strong></th>
<th>ALL</th>
<th>FCC 15.247 &amp; Industry Canada (IC), CSA Certified for Class 1, Division 2 hazardous locations</th>
</tr>
</thead>
</table>

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<thead>
<tr>
<th><strong>Warranty</strong></th>
<th>ALL</th>
<th>5 year limited warranty For sensor warranty see sensor specifications sheet.</th>
</tr>
</thead>
</table>

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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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