6400 Series

The Series F6400 Gas Detector warns users of hazardous atmosphere. When incorporated with an emergency shutdown system, the Series F6400 Gas Detector can turn off the supply of hazardous gas if a leak is detected. The Series F6400 Gas Detector is a simple to use, all-in-on package. It comes complete with sensors and receiver/alarm modules, pre-calibrated and ready to plug in.

An Auto-Test option is available. The Auto-Test eliminates the weekly requirement that a technician expose each sensor to a small amount of gas related chemical to confirm sensor function.

Features

- **Two adjustable alarms per sensor:** WARNING (amber flashing light and intermittent horn) ALARM (red light and steady horn). Because each sensor has its own receive/alarm module, the location and concentration of leak are easy to determine.

- **Low Maintenance:** There is no need to schedule tests for sensor input to the receiver: if input is lost, a trouble light will flash and an associated relay will activate. If the Auto-Test option is chosen, this sensor’s detecting capability is tested daily, with no effort by user. The trouble light and relay will activate if the sensor does not respond to the automated gas test.

- **Quick Detection:** Response time is typically better than 90% in less than fifteen (15) seconds.

- **Easy Installation:** To meet the needs of users world wide, the power supply will accept any AC or DC input from 85 to 270 volts without adjustment. Designed for good noise resistance, sensors can be placed up to 1000 feet (304.8 meters) from the receiver/alarm module. (25 ft. (7.62 meters) cable is standard.)

(continued)
Gas Detectors (continued)

6400 Series

- **Sensors have excellent zero stability**, high sensitivity and selectivity.

- **Battery Backup option**: rechargeable sealed lead acid battery is housed in a NEMA 4X enclosure. Charging is provided by the detectors power supply module.

- **4-20 mA signal output** for each sensor channel

(continued)

### Dimensions:

<table>
<thead>
<tr>
<th></th>
<th>W</th>
<th>D</th>
<th>H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Channel:</td>
<td>7.16” (18.2 cm)</td>
<td>4.33” (11.0 cm)</td>
<td>7.09” (18.0 cm)</td>
</tr>
<tr>
<td>Double Channel:</td>
<td>10.0” (25.4 cm)</td>
<td>4.33” (11.0 cm)</td>
<td>7.09” (18.0 cm)</td>
</tr>
<tr>
<td>Sensor:</td>
<td>3.11” (7.9 cm)</td>
<td>2.24” (5.69cm)</td>
<td>3.7” (9.4 cm)</td>
</tr>
</tbody>
</table>

(continued)

<table>
<thead>
<tr>
<th>Series Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6401-__</td>
<td>Gas Detector: Single (1) Point</td>
</tr>
<tr>
<td>6402-__</td>
<td>Gas Detector: Two (2) Point</td>
</tr>
<tr>
<td>6403-__</td>
<td>Gas Detector: Three (3) Point</td>
</tr>
<tr>
<td>6404-__</td>
<td>Gas Detector: Four (4) Point</td>
</tr>
</tbody>
</table>

To order: Replace the blanks with the appropriate 2-digit code from the chart on the following page.  
**Note**: To order the Auto-Test feature, add the suffix “T” to the gas designation.  
Call us for additional information.
When Ordering Specify:

Series
Gas Code
Number of Points
With or without “Auto-Test”

<table>
<thead>
<tr>
<th>Gas Code</th>
<th>Gases</th>
<th>Standard Range</th>
<th>Minimum Range</th>
<th>Maximum Range</th>
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</thead>
<tbody>
<tr>
<td>15</td>
<td>Ammonia*</td>
<td>0-100 ppm</td>
<td>0-50 ppm</td>
<td>0-500 ppm</td>
</tr>
<tr>
<td>28</td>
<td>Arsine</td>
<td>0-1000 ppb</td>
<td>0-1000 ppb</td>
<td>0-10 ppm</td>
</tr>
<tr>
<td>10</td>
<td>Bromine*</td>
<td>0-2 ppm</td>
<td>0-1 ppm</td>
<td>0-10 ppm</td>
</tr>
<tr>
<td>16</td>
<td>Carbon Monoxide</td>
<td>0-100 ppm</td>
<td>0-50 ppm</td>
<td>0-500 ppm</td>
</tr>
<tr>
<td>11</td>
<td>Chlorine*</td>
<td>0-10 ppm</td>
<td>0-1 ppm</td>
<td>0-50 ppm</td>
</tr>
<tr>
<td>12</td>
<td>Chlorine Dioxide*</td>
<td>0-2 ppm</td>
<td>0-1 ppm</td>
<td>0-10 ppm</td>
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<tr>
<td>29</td>
<td>Diborane</td>
<td>0-1000 ppb</td>
<td>0-1000 ppm</td>
<td>0-10 ppm</td>
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<tr>
<td>13</td>
<td>Fluorine*</td>
<td>0-2 ppm</td>
<td>0-1 ppm</td>
<td>0-10 ppm</td>
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<tr>
<td>30</td>
<td>Germane</td>
<td>0-1000 ppb</td>
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<tr>
<td>18</td>
<td>Hydrogen</td>
<td>0-4%</td>
<td>0-2000 ppm</td>
<td>0-10%</td>
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<tr>
<td>21</td>
<td>Hydrogen Chloride*</td>
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<td>0-10 ppm</td>
<td>0-100 ppm</td>
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<td>22</td>
<td>Hydrogen Cyanide*</td>
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<td>0-100 ppm</td>
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<tr>
<td>23</td>
<td>Hydrogen Fluoride*</td>
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<td>0-10 ppm</td>
<td>0-100 ppm</td>
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<tr>
<td>31</td>
<td>Hydrogen Selenide*</td>
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<td>0-10 ppm</td>
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<tr>
<td>24</td>
<td>Hydrogen Sulfide*</td>
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<td>0-10 ppm</td>
<td>0-100 ppm</td>
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<td>25</td>
<td>Nitric Oxide</td>
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<td>0-500 ppm</td>
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<td>26</td>
<td>Nitrogen Dioxide</td>
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<tr>
<td>19</td>
<td>Oxygen</td>
<td>0-25%</td>
<td>0-10%</td>
<td>0-100 %</td>
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<tr>
<td>14</td>
<td>Ozone*</td>
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<td>0-1 ppm</td>
<td>0-10 ppm</td>
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<tr>
<td>20</td>
<td>Phosgene</td>
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<tr>
<td>32</td>
<td>Phosphine</td>
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<td>0-10 ppm</td>
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<tr>
<td>33</td>
<td>Silane</td>
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<td>0-1000 ppb</td>
<td>0-100 ppm</td>
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<tr>
<td>27</td>
<td>Sulfur Dioxide*</td>
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<td>0-10 ppm</td>
<td>0-100 ppm</td>
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