**Care and Handling**

Failure to follow care and handling instructions will void the warranty and could result in unsafe equipment operation.

- Clean transmitter gently with a damp cloth or dry, compressed air.
- Do not immerse transmitter in water, or spray with hose. Do not store outside.
- Do not drop transmitter or otherwise subject transmitter to physical shock.
- Do not expose transmitter to extreme temperatures.
- Do not open transmitter enclosure. Transmitter contains no user serviceable parts.

**OPERATION**

**Controls**

Transmitters are built-to-suit, and may be equipped with joysticks, potentiometers, paddles, pushbuttons, switches, and other customer-specified controls. Take time to familiarize the operation and arrangement of the controls before operating equipment.

**Batteries**

Operates from 3 x “D” cell batteries. Only Duracell MN1300 type may be used to maintain certification. Do not change batteries in hazardous location. Batteries are accessible by a cover on the bottom of the belly pack. To ensure maximum battery life, be sure to turn the transmitter OFF when not in use. Remove batteries prior to shipping or storing transmitter.

**Transmitter/Receiver Matching**

Transmitters and receivers are shipped from the factory as matched pairs. If a new transmitter is to be used, it must be trained to operate the receiver.

**Training procedure:**

Transmitters with tether cables:

1. Remove transmitter to non-hazardous location.
2. Connect transmitter to receiver using tether cable provided.
3. Operate transmitter to verify tether is connected.
4. Disconnect tether, and resume normal operation.

See additional documentation or consult factory for other radio training options.
## SPECIFICATIONS

### Transmitter

<table>
<thead>
<tr>
<th>Specification</th>
<th>Standard range</th>
<th>Extended range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>902-928MHz, Unlicensed ISM band standard models</td>
<td>2.4-2.4835GHz, Unlicensed ISM band international option</td>
</tr>
<tr>
<td>Range (line of sight)</td>
<td>500 feet</td>
<td>1500 feet</td>
</tr>
<tr>
<td>RF Power Output</td>
<td>60mW</td>
<td>100-250mW</td>
</tr>
<tr>
<td>Battery Type</td>
<td>3 &quot;D&quot; size alkaline, Duracell MN1300 ONLY</td>
<td></td>
</tr>
<tr>
<td>Battery Life (fully charged)</td>
<td>Standby, 80 hrs; Transmit, 35 hrs</td>
<td>Standby, 20 hrs; Transmit, 8 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>International = Standby, 15 hrs; Transmit, 6 hrs</td>
</tr>
<tr>
<td>Controls</td>
<td>User specified toggles, joysticks, potentiometers, or paddles</td>
<td></td>
</tr>
<tr>
<td>Led Indicator</td>
<td>Flashing = normal; Double blink = battery low</td>
<td></td>
</tr>
</tbody>
</table>

### Enclosure

<table>
<thead>
<tr>
<th>Size</th>
<th>Dimensions</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belly Pack</td>
<td>Standard: 7-3/4&quot; L x 5-3/4&quot;W x 7-1/2&quot;D; PC ABS</td>
<td></td>
</tr>
<tr>
<td>Jumbo</td>
<td>11-1/4&quot; L x 5-1/2&quot;W x 6-1/2&quot;D; High-impact polystyrene, UL94HB</td>
<td></td>
</tr>
</tbody>
</table>

### Environmental

- FM Certificate number: 3035340
- Intrinsically Safe for
  - Class I, Division 1, Groups C,D T2D
  - Class I, Zone 0, AEEx ia IIB
  - Ta=−40°C to 60°C; IP65

Conditions of use:
1. Only Duracell battery cell Type MN1300, size D cells 3, 1.5V may be used.
2. Batteries shall only be replaced in an unclassified location.