**905U-K Installation Guide**

### How to Mount the 905U-K

![Installation Diagram]

**Connection Lead**

<table>
<thead>
<tr>
<th>Color</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>Supply voltage +</td>
</tr>
<tr>
<td>Blue</td>
<td>DIN1</td>
</tr>
<tr>
<td>Green</td>
<td>DIN2</td>
</tr>
<tr>
<td>Yellow</td>
<td>Analog loop supply</td>
</tr>
<tr>
<td>White</td>
<td>AIN +</td>
</tr>
<tr>
<td>Black</td>
<td>AIN –</td>
</tr>
<tr>
<td>Drain wire</td>
<td>Common with sleeve</td>
</tr>
</tbody>
</table>

### External Power Supply Installation

- **Supply Voltage**: 5.4-30 VDC
- **Current**: 1 A
- **External Supply**: 905U-K

![Power Supply Diagram]

- **Battery Charger**: 12V
- **Battery**: 905U-K

### Typical Antenna Installation

![Antenna Diagram]

- **Surge Arrester** (Optional)
- **Coaxial Cable**
- **Stress Relief Loop**
- **Weatherproof Connectors with ‘3M 23’ Tape**
- **Install Antenna Above Local Obstructions**
- **Earth Stake**
- **Provide Good Ground Connection to Mast, Module and Surge Arrester**

### Digital/Pulse Input Connections

- **Inputs can be voltage free contact or open-collector transistor**

### Analogue Input Connections

- **Loop Powered Transducer**
- **Ext Powered Transducer**

### Shaft Encoder Connections

- **Incremental Shaft Encoder**
- **Quadrature Shaft Encoder**

### FCC Notice

This device complies with part 15.247 of the FCC Rules
Operation is subject to the following conditions:

1) This device may not cause有害 interference
2) This device must accept any interference received, including interference that may cause undesired operation

### Warning

**EXPLOSION HAZARD**

**Do Not Disconnect While Circuit Is Live Unless Area Is Known To Be Non-Hazardous**

**Caution!!**

To comply with CSA Class1, Division 2 requirements, unit must be mounted in an approved enclosure

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