PVA-15CST Call station

The PVA-15CST is a call station for the PAVIRO system.

As standard, the call station has a gooseneck microphone with pop shield and permanent monitoring, a total of 20 buttons, an illuminated LC display, and an integrated loudspeaker.

The call station can be modified to suit the user’s requirements by connecting up to five PVA-20CSE call station extensions, each with 20 customizable selection buttons.

Other properties:

- Five menu/function keys (pre-programmed) - one green or one yellow indicator light per button
- 15 selection buttons (customizable) - two indicator lights (green/red) per button
- Numeric zone selection (can be activated during IRIS-Net configuration)
- Label with transparent covering - the label can be changed at any time
- Can be used as a standing or desk/rack flush-mounted device
- Internal monitoring with error logging - complies with all relevant national and international standards
- Easy configuration - use of the Configuration Wizard or IRIS-Net software

System overview

1. Selection buttons
2. Button installation slots
3. Voice alarm indicator light
4. Combined fault warning indicator light
5. Power indicator light
6. Microphone
7. Loudspeaker
8 Display
9 ESC button
10 ↑ button
11 DEL button
12 ↓ button
13 ← button

1 EXT OUT port
2 CST BUS port
3 LINE port
4 MIC port

**Environmental directive compliance**

<table>
<thead>
<tr>
<th>Emissions</th>
<th>EN 61000-6-3</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>ICES-003</td>
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<tr>
<td></td>
<td>FCC-47 part 15B class A</td>
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<td>Environment</td>
<td>EN 50581</td>
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<tr>
<td>Maritime</td>
<td>EN 60945</td>
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**Conformity**

<table>
<thead>
<tr>
<th>Europe</th>
<th>CE/CPR</th>
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<tbody>
<tr>
<td>USA</td>
<td>FCC</td>
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<tr>
<td>Canada</td>
<td>ICES</td>
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<tr>
<td>Australia</td>
<td>RCM</td>
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<td>Korea</td>
<td>KCC</td>
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<td>Russian Federation</td>
<td>EAC</td>
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<tr>
<td>Environment</td>
<td>RoHS</td>
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**Parts included**

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Component</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>PVA-15CST</td>
</tr>
<tr>
<td>1</td>
<td>Patch cable (3 meters)</td>
</tr>
<tr>
<td>7</td>
<td>Blank paper strips</td>
</tr>
<tr>
<td>1</td>
<td>Strain relief (bracket)</td>
</tr>
<tr>
<td>2</td>
<td>Screws for strain relief</td>
</tr>
<tr>
<td>1</td>
<td>Cover release tool</td>
</tr>
<tr>
<td>1</td>
<td>Operation manual</td>
</tr>
<tr>
<td>1</td>
<td>Important safety instructions</td>
</tr>
</tbody>
</table>

**Technical specifications**

**Electrical**

<table>
<thead>
<tr>
<th>CAN BUS port</th>
<th>10, 20, or 62.5 kbit/s, 1 RJ-45, max. length 1000 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum mic input level</td>
<td>-21 dBu</td>
</tr>
<tr>
<td>Maximum line input level</td>
<td>+4 dBu</td>
</tr>
<tr>
<td>Maximum NF output level</td>
<td>+12 dBu</td>
</tr>
</tbody>
</table>

**Microphone:**
• Nominal acoustic input level: 85 dBSPL
• Frequency response: 250 Hz - 10 kHz (-6dB)
• Signal to noise ratio: > 60dB

Buttons: 5 pre-programmed, 15 programmable zone/function keys

Indicator lights:
- Power (green), Fault (yellow), Alarm (red)
- Green or yellow LED per pre-programmed menu button
- Green and red LED per programmable zone/function key

LC display: Back-lit LC display (122 × 32 pixel)

Ports:
1 CST BUS port (Control data + Audio + Power supply, RJ-45)
1 audio source (line level, phone jack)
1 microphone port (phone jack)
1 EXT OUT port (call station extension, RJ-12)

DC power input: 15-58 V

Maximum supply current (without call station extensions):
Standby/Idle/Announcement/Alert: 24 V / 80 mA / 1.92 W

Maximum supply current (with 5 call station extensions):
Standby/Idle/Announcement/Alert: 24 V / 190 mA / 4.56 W

Environmental
- Operating temperature: -5 °C to +45 °C (+23 °F to +113 °F)
- Storage temperature: -40°C to +70°C (-40 °F to +158 °F)
- Humidity (non-condensing): 5% to 90%
- Altitude: Up to 2000 m

Mechanical
- Dimensions (HxWxD): 166 mm x 200 mm x 66 mm (without microphone)
- Weight (net): 0.6 kg
- Mounting: Standalone; 19 in. rack
- Color: Black

Fig. 1: Circuit diagram
Ordering information

**PVA-15CST Call station**
Call station for the PAVIRO system; has gooseneck microphone with pop shield and permanent monitoring. 
Order number **PVA-15CST | F.01U.298.720**

**Accessories**

**PVA-20CSE Call station extension**
Call station extension for the PAVIRO system; has 20 customizable selection buttons. 
Order number **PVA-20CSE | F.01U.298.723**

**PVA-1EB Call station emergency button**
Optional emergency button that can be installed in the PVA-15CST Call station. 
Order number **PVA-1EB | F.01U.397.469 F.01U.312.985**

**PVA-1KS Call station key switch**
Optional key switch that can be installed in the PVA-15CST Call station. 
Order number **PVA-1KS | F.01U.312.984**

**Services**

**EWE-CLSBAS-IW 12 mths wrty ext. Call Station basic**
12 months warranty extension 
Order number **EWE-CLSBAS-IW | F.01U.360.680**

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**Fig. 2:** Dimensions of Call Station

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