**Installation Manual**

**Heating Unit HU-3**

Thank you for choosing the Optex Heating Unit HU-3. Please read this Installation Manual before using the product. It contains important maintenance and management information and should be stored by the individual responsible for managing the system.

**Installing the HU-3 Heating Unit**

Use the HU-3 with a supply voltage of 24 VAC/DC.

**Note** When using the same power supply as the sensor, position the HU-3 so that it is not farther from the power supply than the wiring distance noted in 3-4 below.

**1 Cutout of the knockouts**

Knockouts are provided on the back of the transmitter/receiver to accommodate the power cables for the heater.

![Left knockouts](image1) ![Right knockouts](image2)

[Rear view of the unit base]

- Cut out either the left or the right knockouts with a ripper or other tool to reveal the wiring holes.
- Cut out the shaded area. [Knockout cutoff section]

**2 Direction of the optical unit**

Rotate the optical unit approximately 45° away from the knockout area that you cut out in Step 1.

![Optical unit](image3) ![Knockout cutoff side](image4)

[Front view of the unit base]

**3 Mounting and wiring of the heating unit**

1. Align the heater as shown in the diagram and slide it into place behind the product’s optical unit.

![Heater](image5)

2. Route the heater cables through the heater cutouts and pass them through the wiring holes you cut in Step 1.

**4 Connection using the connector**

When connecting the lead wires to the wiring, make the connection using the included connector or soldering. Insert the wires into the connector and tighten the connections with pliers.

**Specifications**

<table>
<thead>
<tr>
<th>Name</th>
<th>Heating Unit HU-3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td></td>
</tr>
<tr>
<td>Power supply</td>
<td>24 VAC/DC</td>
</tr>
<tr>
<td>Current consumption</td>
<td>210 mA (max.) (per heater)</td>
</tr>
<tr>
<td>Max. surface temperature</td>
<td>Approx. 140 °F (60 °C)</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-31 °F to +140 °F (-35 °C to +60 °C)</td>
</tr>
<tr>
<td>Weight</td>
<td>Approx. 0.2 oz (6 g) (per heater)</td>
</tr>
<tr>
<td>Package contents</td>
<td>Heaters x 2, Connectors x 4</td>
</tr>
</tbody>
</table>

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