INSTALLATION INSTRUCTIONS
MODEL 474U – TOUCHLESS SENSE SWITCH

Features & Applications
- Uses IR Sensor technology; device is activated with the simple wave of a hand
- Designed to control electric locks/strikes, magnetic locks, or automatic door operators
- Ideal for use in cleanrooms, hospitals, labs, schools, or offices
- Sensing range up to 4" (10cm)
- Mounted on a durable stainless steel plate
- Dual LED, illuminated sensor indicates status
- Quick connect screwless terminal block for easy installation.

NOTE: The SDC 474 must be mounted to a single-gang electrical back box or plaster ring.
1. Unscrew the four rear cover screws. Remove the rear cover to expose the 8-position screwless terminal block.
2. Feed the wiring through the wall to the back box. Feed the wiring through the gasketed hole of the rear cover. Verify that the wire leads are on the inside of the rear cover.
3. Connect the wires onto the screwless terminal block (see page 2 for typical wiring examples). Verify that each wire is securely terminated by gently pulling on each wire.
4. Replace the rear cover of the sensor switch, and secure the four cover screws.
5. Mount the stainless steel faceplate onto the back box using the two supplied screws. Be careful not to pinch any wires when mounting the device.
6. Apply 12VDC power to the device. The LED indicator ring will turn RED.
7. Test for proper activation by placing a hand within 4" of the sensor. The LED sensor ring will change from RED to GREEN, and both relays will activate.

Specifications

<table>
<thead>
<tr>
<th>Input Voltage</th>
<th>Current @ 12VDC</th>
<th>30mA Standby</th>
<th>70mA Active</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>15mA Standby</td>
<td>(2) Form C Relays, 3A@30VDC (Resistive)</td>
<td></td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>LED Color</th>
<th>Standby</th>
<th>Active</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Red</td>
<td>Green</td>
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<table>
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<tr>
<th>Range</th>
<th>4&quot; (10cm) max.</th>
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<tbody>
<tr>
<td>Operating Temp.</td>
<td>4deg F ~ 131deg F ( -20C ~ 55C)</td>
</tr>
<tr>
<td>Weight</td>
<td>3 oz. (85g)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>4.5&quot; X 2.75&quot; x 1.375&quot; (mm = 115 x 70 x 35)</td>
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Dimensions

Side View
Front View
Rear View

Any suggestions or comments to this instruction or product are welcome. Please contact us through our website or email engineer@sdcsecurity.com.

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Connecting the 474U to an Access Control Panel or Door Operator:

To Access Control Panel
To 12/24VDC Power Supply
To Auto Operator

Using the 474U as an Request to Exit device in an access control system.

*NOTE: Refer to manufacturer’s installation instructions for Power Supply, Keypad, & Lock wiring. Locks must be the same voltage as the power supply output.

Figure 1.

Figure 2.