**Features & Applications**

- 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.

**Specifications**

<table>
<thead>
<tr>
<th>Input Voltage</th>
<th>Current</th>
<th>Contact Rating</th>
<th>LED Color</th>
<th>Range</th>
<th>Output Activation Time</th>
<th>Operating Temp.</th>
<th>Weight</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>12VDC, 24VDC</td>
<td>30mA@12VDC</td>
<td>(2) Form C Relays, 3A@30VDC (Resistive)</td>
<td>Standby: Red</td>
<td>4&quot; (10cm) max.</td>
<td>1 Second or as long as sensor is triggered</td>
<td>-4deg F ~ 131deg F (~-20C ~ 55C)</td>
<td>3 oz. (85g)</td>
<td>4.5&quot; X 2.75&quot; X 1.375&quot; (mm = 115 x 70 x 35)</td>
</tr>
<tr>
<td>24VDC</td>
<td>15mA@12VDC</td>
<td></td>
<td>Active: Green</td>
<td></td>
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<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>15mA@24VDC</td>
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</tr>
<tr>
<td></td>
<td>30mA@24VDC</td>
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</tr>
<tr>
<td></td>
<td>35mA@24VDC</td>
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</tbody>
</table>

**Installation & Operation**

**NOTE:** The HAGER 2978 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.

**Dimensions**

- Side View
- Front View
- Rear View

**Rear Cover Rubber Gasket Ring**

12/24VDC PWR

- + NC C NON C NO

**Screwless Terminal Block Connections**
Connecting the Switch to an Access Control Panel or Door Operator:

To 12/24VDC Power Supply

To Access Control Panel

To Auto Operator

Using the 2978 as a request to exit device in an access control system

2915/2916 Digital Keypad

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