**MINIATURE CURRENT SWITCH**

Low Cost, Solid or No Core, LED Confirmation, Adjustable Set Point

The SERIES MCS Miniature Current Switches are ideal for monitoring the current usage in fuse boxes and small control panels. Both models have adjustable set points and LED indication to show there is power to the unit and when the switch activates. Set points can be adjusted using the potentiometer next to the LED’s. Due to the size of the switch, it is only offered in solid core and no core versions. The no core version has terminal blocks which can accept currents up to 1 A directly into the unit.

**SPECIFICATIONS**

- **Amperage Range:** MCS-111050: 0.5 to 50 A AC continuous; MCS-111001: 0.01 to 1 A AC continuous.
- **Output Rating:** Isolated, N.O. 0.3 A @ 130 V DC/AC.
- **Power Requirements:** None, self-powered.
- **Hysteresis:** 1%.
- **Response Time:** <200 ms.
- **Temperature Limits:** 32 to 122°F (0 to 50°C).
- **Humidity Limits:** 10 to 95% RH (non-condensing).
- **Enclosure Rating:** UL 94 V-0 flammability rated ABS, insulation class 600 V.
- **Weight:** 0.5 oz (14.5 g).
- **Agency Approvals:** CE, cULus.

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Case</th>
<th>Set Point</th>
<th>Minimum Set Point (A)</th>
<th>LED</th>
<th>Dry Contact Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCS-111050</td>
<td>Solid core</td>
<td>Adjustable</td>
<td>0.50</td>
<td>Red/green</td>
<td>Yes</td>
</tr>
<tr>
<td>MCS-111001</td>
<td>No core</td>
<td>Adjustable</td>
<td>0.01</td>
<td>Red/green</td>
<td>No</td>
</tr>
</tbody>
</table>

**FEATURES/BENEFITS**
- Integral mounting flange for quick installation
- Compact size fits in any space

**APPLICATIONS**
- BAS
- HVAC

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**SERIES CCS**

**CURRENT SWITCHES**

Solid or Split Core, LED Visual Confirmation, Fixed or Adjustable Set Point

The SERIES CCS Current Switches are ideal for monitoring the operating status of fans, pumps, and motors. These self-powered switches can be hung or tied directly to cables or wires. For use on existing installations, split core models can be installed without disconnecting cables. LED indicators provide a visual confirmation that the current is flowing through the core. Both fixed and adjustable set points are available. The adjustable models utilize a potentiometer to easily adjust the set point.

**SPECIFICATIONS**

- **Amperage Range:** 0 to 200 A AC.
- **Maximum Switch Rating:** For dry contact models: 0.3 A @ 135 VAC/DC; For non-dry contact models: 1 A @ 240 VAC.
- **Power Requirements:** None, self-powered.
- **Temperature Limits:** -22 to 158°F (-30 to 70°C).
- **Humidity Limits:** 0 to 95% (non-condensing).
- **Isolation Voltage:** 2000 V.
- **Frequency:** 40 to 400 Hz.
- **Enclosure Rating:** UL 94 V-0 flammability rated ABS plastic housing.
- **Agency Approvals:** CE, cULus.

**MODEL CHART**

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<tr>
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<th>Case</th>
<th>Set Point</th>
<th>Minimum Set Point (A)</th>
<th>LED</th>
<th>Dry Contact Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCS-121050</td>
<td>Solid core</td>
<td>Fixed</td>
<td>0.50 (±0.2)</td>
<td>Red</td>
<td>Yes</td>
</tr>
<tr>
<td>CCS-111100</td>
<td>Solid core</td>
<td>Adjustable</td>
<td>1.00 (±0.2)</td>
<td>Red/green</td>
<td>No</td>
</tr>
<tr>
<td>CCS-221100</td>
<td>Split core</td>
<td>Fixed</td>
<td>1.00 (±0.2)</td>
<td>Red</td>
<td>Yes</td>
</tr>
<tr>
<td>CCS-211150</td>
<td>Split core</td>
<td>Adjustable</td>
<td>1.50 (±0.2)</td>
<td>Red/green</td>
<td>No</td>
</tr>
<tr>
<td>CCS-131100</td>
<td>Solid core</td>
<td>Adjustable</td>
<td>1.00 (±0.2)</td>
<td>Red/green</td>
<td>Yes</td>
</tr>
<tr>
<td>CCS-231150</td>
<td>Split core</td>
<td>Adjustable</td>
<td>1.50 (±0.2)</td>
<td>Red/green</td>
<td>Yes</td>
</tr>
</tbody>
</table>