The Schneider Electric H922-S6 is a current transducer that senses current (amperage) in any of three field-selectable ranges: 0-30, 0-60, or 0-120 amperes. These ranges represent the maximum current that can be applied to the monitored conductor. The H922-S6 transforms the monitored current value into a 0-5 VDC output suitable for connection to building controllers or other appropriate data acquisition equipment. The H922-S6 requires no external power to generate its output.

For CE compliance, conductor shall be insulated according to IEC 61010-1:2010. The product design provides for basic insulation only.

A qualified person is one who has skills and knowledge related to the construction and operation of this electrical equipment and the installation, and has received safety training to recognize and avoid the hazards involved. NEC2011 Article 100

No responsibility is assumed by the manufacturer for any consequences arising out of the use of this material.
INSTALLATION

Disconnect and lock out power to the enclosure containing the conductor to be monitored.

1. Locate a mounting surface for the removable mounting bracket that will allow the monitored conductor to pass through the center window when it is installed and that will keep the product at least 13 mm (½ in.) from any uninsulated conductors. Determine cable routing for the controller connection, allowing wiring to reach the mounting location.

2. Drill holes to mount the bracket to the chosen surface using the included screws.

3. Wire the output connections between the sensor and the controller (0-5 VDC).

4. Snap the sensor over the wire to be monitored and clip the assembly to the mounting bracket.

5. Select the desired amperage range on the transducer.

6. Secure the enclosure and reconnect power.

7. Scale the controller software to match the transducer output.

WIRING

SCALING

Set the amperage range selector switch to a level appropriate for the application load, 0-30, 0-60, or 0-120 Amps.

*Factory calibrated ranges selected with the amperage range switch
LOW CURRENT APPLICATIONS

For load currents less than sensor minimum rating, wrap the monitored conductor through the center window and around the sensor body to produce multiple turns. This increases the current measured by the transducer. Program the controller to account for the extra turns, e.g., if four turns pass through the sensor, then divide the reading by 4.

HIGH CURRENT APPLICATIONS

For load currents greater than sensor maximum rating, use a 5 Amp current transformer (CT) as shown. This technique can be combined with wrapping (see above). Select an amperage range on the current sensor that matches the CT maximum output (accounting for any wrapping) to enable the entire current sensor output range. Do not exceed the current sensor rating.

PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>Ordering Code</th>
<th>Model Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>324-0208-000</td>
<td>H922-S6</td>
<td>I-Xdcr,SP:30/60/120AAC:0-5VDC</td>
</tr>
</tbody>
</table>

TROUBLESHOOTING

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>SOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Reading at Controller</td>
<td>• Confirm measured current is within the selected range.</td>
</tr>
<tr>
<td></td>
<td>• Check polarity of the sensor output connections.</td>
</tr>
<tr>
<td></td>
<td>• Assure that sensor core mating surfaces are clean and that the core clamp is completely closed.</td>
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</tbody>
</table>

DANGER: 5A CTs can present hazardous voltages. Install CTs in accordance with manufacturer’s instructions. Terminate the CT secondary before applying current.