Mechanical

OPEN-CLASS
VERSION

Schneider
887-L Installation
30-3001-475 Rev G

AC Power Connection

AC POWER SPECIFICATIONS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>POWER</th>
</tr>
</thead>
<tbody>
<tr>
<td>220V</td>
<td>115VAC, 32VA, 50/60Hz</td>
</tr>
<tr>
<td>280V</td>
<td>220VAC, 40VA, 50/60Hz</td>
</tr>
</tbody>
</table>

CAUTION

Use care when attaching power wiring to these connectors. They are not to be used as a strain relief. The connectors cannot withstand excessive bending or flexing.

Wiring Rules

The open-class version of this controller is intended for installation within the enclosure of another product.

Do not remotely ground any part of the input sensor wiring.

Remote grounds connected to the return terminal could make the system operate incorrectly or damage the equipment.

The signal return is not true earth ground. It is an electronic reference point necessary to interpret the sensor properly.

For reliable input operation, follow these input wiring guidelines:

- Never lay wires across the surface of a printed circuit board.
- Wire should never be within 1 in. or 25 mm of any component on a printed circuit board.
- Use shielded input wire.
- Terminate the shield of the input wires at one end of the run only—preferably at the end where your module is located.
- Be careful when stripping wire not to drop small pieces of wire onto the circuit board.
- Don’t run your input wiring in the same conduit with AC power or the same conduit with your output wiring.

Grounding the Controller

This controller includes a screw terminal connection for Earth ground. It is important that this connection be made as close to the module as possible.

Smart Sensor Bus Interface (IN4 & SPWR)
Inputs

Contact and Thermistor Sensing

DC Voltage Sensing

Max DC Input Voltage = 5.12V
Input Impedance = 10KΩ referenced to 5.12 VDC

Digital Logic Signal Sensing

Outputs

Digital Triac Output

Internally Powered
Output Rating: 24 VAC, 300mA (Cannot switch DC loads)
Maximum Load: 30mA
* The total allowable current sourced by the internal power source for all external loads is 750mA.

Externally Powered
Output Rating: 24 VAC, 300mA (Cannot switch DC loads)
Maximum Load: 30mA

Tristate from 2 Triac Outputs

Adjacent output pairs:
OUT1 and OUT2
OUT3 and OUT4

Tristate can be combined to form a standard tri-state output. The outputs are electrically connected as shown in the schematic for the built-in tri-state output.

Digital Form A Relay Output

Output Rating: 277 VAC @ 3 A
30 VDC @ 3 A

Detailed Programming & Technical Information
Refer to the following documents:
- i2 Controller Technical Reference, 30-3001-861
- b3 and b4320 Controller Technical Reference, 30-3001-862

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