SK-5280 Status Display Module Installation Instructions

The following instructions are a quick reference guide, refer to the control panel installation manual for detailed system information.

The SK-5280 Status Display module provides outputs and control functions for remote annunciation of alarm, trouble, and supervisories for each zone.

**Note:** The driver outputs are non-supervised.

The SK-5280 has 1 connector which has 10 outputs for alarms and 10 outputs for trouble annunciation. These outputs are active low. Each output can provide up to 100 mA of current, with a total limitation of 700 mA. The module has 4 normally open non-dedicated relays that can be wired to be active with any of the outputs. The system can supervise up to 8 5280 Status Display Modules.

Wire the SK-5280 as shown in Figure 2. Maintain a physical separation of one-half inch or more between field wires and connection points to prevent damage from transients.

**Note:** SILENCE does not affect SK-5280 outputs. To reset a SK-5280 output, the alarm or trouble condition must be restored.

Follow these steps to properly mount the SK-5280 into the SK-5208 cabinet:

1. Remove power from the control panel.
2. Mount the SK-5280 onto the standoffs and bracket located in the cabinet. See Figure 3.
3. Connect the SK-5280 to the SK-5208 control panel as shown in Figure 2.
4. Set the ID number. See the 5208 Installation Manual (PN 151204) for information on setting ID numbers.
5. Reconnect power to the control panel.
Mounting the SK-5280 into the SK-2190 Accessory Cabinet

Follow these steps to properly mount the SK-5280 into the SK-2190 cabinet:
1. Mount the remote cabinet using the cabinet mounting holes. See Figure 4.
2. Remove power from the control panel.
3. Mount the SK-5280 onto the standoffs and bracket located in the cabinet. See Figure 4.

Wiring Relays

The four on-board relays can be triggered by the active low outputs. For example, the alarm outputs can all be wired to relay 3 and the trouble relays can be wired to relay 4 (see Figure 5).

Wiring LEDs to Outputs

The outputs (A1-A10 and T1-T10) can be used to operate LEDs in a remote annunciator (see Figure 6). Outputs A1-A10 are alarm outputs for the zones corresponding to those outputs. For example, if the 5280 is programmed to output for zones 11-20, then outputs A1-A10 will correspond with zones 11 through 20. Outputs T1-T10 are trouble outputs for the zones corresponding to those outputs. For example, if the 5280 is programmed to output for zones 21-30, then outputs T1-T10 will correspond with zones 21-30.

Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Voltage</td>
<td>27.4 VDC max.</td>
</tr>
<tr>
<td>Current Draw:</td>
<td></td>
</tr>
<tr>
<td>Standby:</td>
<td>10 mA</td>
</tr>
<tr>
<td>Alarm:</td>
<td>80 mA</td>
</tr>
<tr>
<td>Operating Temp:</td>
<td>32° to 120° F (0° to 49° C)</td>
</tr>
<tr>
<td>Relay Rating:</td>
<td>2.5 A @ 30VDC/120VAC</td>
</tr>
<tr>
<td>Outputs:</td>
<td>100 mA each, 700 mA max.</td>
</tr>
</tbody>
</table>

Figure 4: Model SK-5280 Remote Installation

Figure 5: Relay Wiring on the SK-5280

Note: Figure 5 uses A7 and T7 to activate relays 3 and 4 as an example. However, any of the outputs can be used to trip any of the relays.

Figure 6: LED Wiring on the SK-5280

Graphic Annunciator