INSTALLATION AND MAINTENANCE INSTRUCTIONS

RSM-1A Residential Silence Module
RSM-1RA Residential Silence Module
for Remote Silence Switch
RSM-1SWA Remote Silence Switch

Specifications

<table>
<thead>
<tr>
<th>Mounting RSM-1A &amp; RSM-1RA</th>
<th>Operating Voltage Range</th>
<th>150mA Max. at 24VDC, 3.75W Max 25/70 VAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot; X 4&quot; X 2.8&quot; Standard box</td>
<td>Standby Current</td>
<td>75mA Max. at 24 VDC (40mA with jumper J3 removed)</td>
</tr>
<tr>
<td>Mounting RSM-1SWA</td>
<td>Alarm Current</td>
<td>12-18 AWG</td>
</tr>
<tr>
<td>Single Gang electrical box</td>
<td>0.0A</td>
<td>Terminals</td>
</tr>
<tr>
<td>Weight</td>
<td>10.5mA Average</td>
<td>5 oz.</td>
</tr>
<tr>
<td>Indoor Operating Temperature</td>
<td>Output Circuit Rating</td>
<td>32°F to 120°F (0°C to 49°C)</td>
</tr>
</tbody>
</table>

Before Installing

This information is included as a quick reference installation guide. If the modules are to be installed in an existing operational system, inform the operator and local authority that the system will be temporarily out of service. Disconnect power to the control panel before installing the modules.

NOTICE: This manual should be left with the owner/user of this equipment.

General Description

The RSM-1A / RSM-1RA shall operate with standard 24 VDC audible devices and 25/70 VAC speakers. The RSM-1A / RSM-1RA shall be powered from a standard 24 V regulated DC or full wave rectified indicating appliance circuit. Proper operation of the RSM modules with the FACP should be confirmed before use. During alarm tone signalling a red alarm LED shall illuminate on the module.

The RSM-1A residential suite module incorporates a switch on the module to silence an audible signal during alarm for up to 10 minutes. If the alarm signalling period extends beyond 10 minutes the audible signal will automatically resound. For speaker operation to override 10 minute silence to allow paging, the control circuit must interrupt power momentarily to the 24VDC signal circuit during a microphone press to talk. To operate the silence mechanism push on the coverplate where indicated during signalling operation.

The RSM-1RA residential suite module operates in the same manner but instead of the silence switch on the module, it has wire leads to connect to the remote silence switch, model RSM-1SWA.

The wiring between the RSM-1A / RSM-1RA and suite sounding device shall be short circuit isolated during alarm signalling.

Installation

All wiring must be installed in compliance with the Canadian electrical code and all applicable local codes as well as any special requirements of the authority having jurisdiction, using the proper wire size. This also includes all applicable ULC standards.

Mechanical

The RSM-1A / RSM-1RA module mounts directly to 4" square electrical boxes as shown in figure 1. The box must have a minimum depth of 2 1/8". Ensure the electrical box is flush with the wall surface to allow proper operation of the silence switch. When the coverplate is mounted to the module as shown in Fig. 1, you should here the switch click when pressing and releasing the coverplate. For installations where the module may be recessed such that the switch is further away from the coverplate, install the plastic switch cap as shown in Figure 1A. At no time should the coverplate keep the switch pressed down. The RSM-1SWA mounts on a single gang electrical box.

Electrical

1. Connect 24VDC supervised signals as show in figure 2. and unsupervised signals as shown in figure 3.
2. Connect supervised speakers as shown in figure 4. and unsupervised speakers as show in figure 5. See Figure 7. for jumper set-up on the RSM-1A or RSM-1RA module. Note: Refer to the fire alarm control panel manufacture for compatibility with their panels.
3. If using RSM-1RA module, connect model RSM-1SWA remote silence switch as shown in Figure 6.

Figure 1. Module mounting:

Figure 1A: Plastic Switch Cap
Three-Year Limited Warranty

System Sensor warrants its enclosed module to be free from defects in materials and workmanship under normal use and service for a period of three years from date of manufacture. System Sensor makes no other express warranty for this smoke detector. No agent, representative, dealer, or employee of the Company has the authority to increase or alter the obligations or limitations of this Warranty. The Company's obligation of this Warranty shall be limited to the repair or replacement of any part of the smoke detector which is found to be defective because of damage, unreasonable use, modifications, or alterations occurring after the date of manufacture. In no case shall the Company be liable for any consequential or incidental damages for breach of this or any other Warranty, expressed or implied whatsoever, even if the loss or damage is caused by the Company's negligence or fault. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This Warranty gives you specific legal rights, and you may also have other rights under common law.

1. System Sensor does not recommend the installation of signals on unsupervised circuits.
2. Although the code allows silencing of signals, System Sensor recommends occupants take appropriate measures in accordance with the fire procedures for their premises.

NOTES:

Three-Year Limited Warranty

System Sensor warrants its enclosed module to be free from defects in materials and workmanship under normal use and service for a period of three years from date of manufacture. System Sensor makes no other express warranty for this smoke detector. No agent, representative, dealer, or employee of the Company has the authority to increase or alter the obligations or limitations of this Warranty. The Company's obligation of this Warranty shall be limited to the repair or replacement of any part of the smoke detector which is found to be defective because of damage, unreasonable use, modifications, or alterations occurring after the date of manufacture. In no case shall the Company be liable for any consequential or incidental damages for breach of this or any other Warranty, expressed or implied whatsoever, even if the loss or damage is caused by the Company's negligence or fault. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This Warranty gives you specific legal rights, and you may also have other rights under common law.

NOTES:

1. System Sensor does not recommend the installation of signals on unsupervised circuits.
2. Although the code allows silencing of signals, System Sensor recommends occupants take appropriate measures in accord with the fire procedures for their premises.