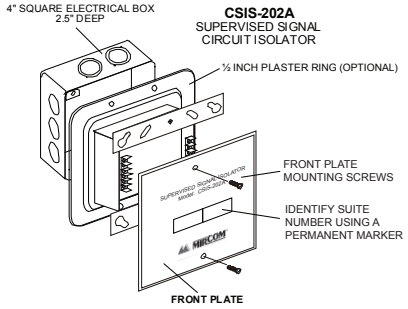
CSIS-202A Supervised Signal Isolator Module Installation Instructions

The CSIS-202A is a signal isolator which provides two supervised isolator outputs. These isolators remove the bells, horns or strobes which follow it out of the circuit should there be a trouble (short). This feature provides integrity of the signal circuit, that is; should an isolated bell, horn or strobe malfunction, the rest of the bells, horns or strobes will continue to function.

INSTALLATION

The signal isolators mount into a standard 4 inch square electrical box using the 2 screws provided. These electrical boxes are usually mounted in hallways, outside the suites which contain the signalling devices to be isolated. There is a white front plate included with the isolator which is mounted onto the isolator as shown in Figure 1.



Electrical Ratings
Signal In: Regulated 24 FWR/24 VDC
Suite Current: 100 mA MAX
Standby Current: 0.0A

To locate faulted suite device
1. Set all other signal circuits to bypass except the circuit under test.
2. If Class A circuit, disconnect the return wire at the panel.
3. Sound signals.
4. Walk the floor to locate area where the sound ceases, this is the location of the fault.

Figure 1: Module Installation Instruction

Notes
1. All unused screw terminals must be tightened to prevent shorting to front plate.
2. For proper system operation refer to detailed installation instructions provided with control panel and local installation standards.
3. Wiring supervised by the Fire Alarm Control Panel as per Code.
4. Refer to signal device instruction for wiring gauge information.
5. Subtract 0.4A from the total signal circuit current when using any number of these isolators i.e. 1.7A subtract 0.4A equals 1.3A available for signalling when using isolators.

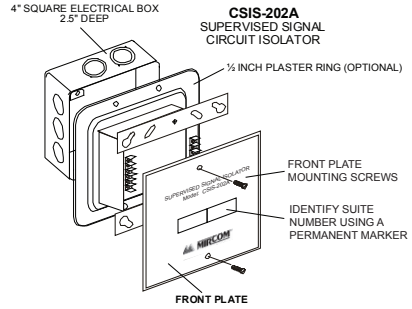
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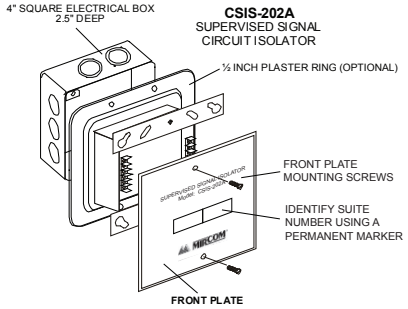
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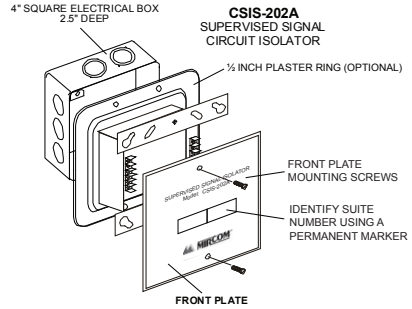
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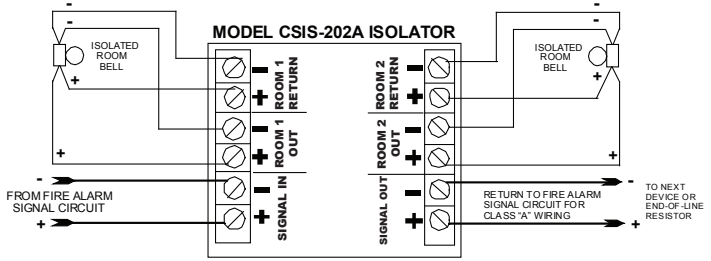
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BELLS ARE SHOWN IN THE DRAWINGS, BUT THEY REPRESENT HORNS AND STROBES AS WELL.

Figure 2: CSIS-202A Isolator wiring with room bells, horns or strobes

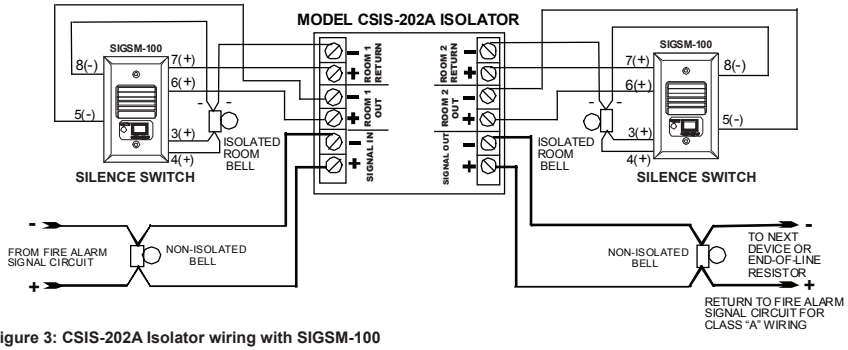
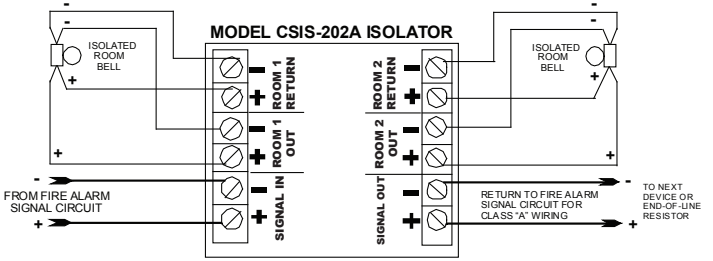


Figure 3: CSIS-202A Isolator wiring with SIGSM-100



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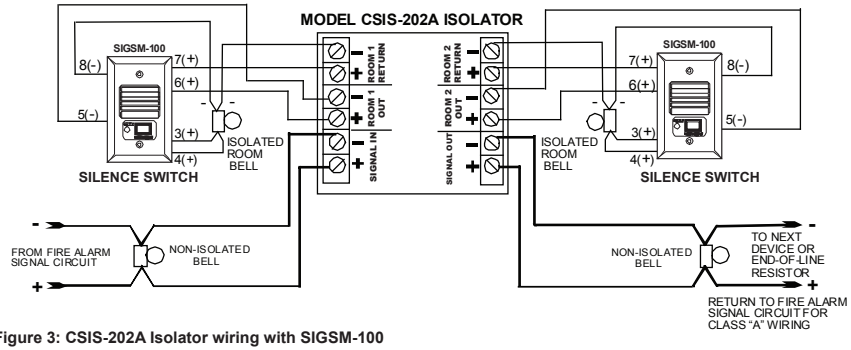
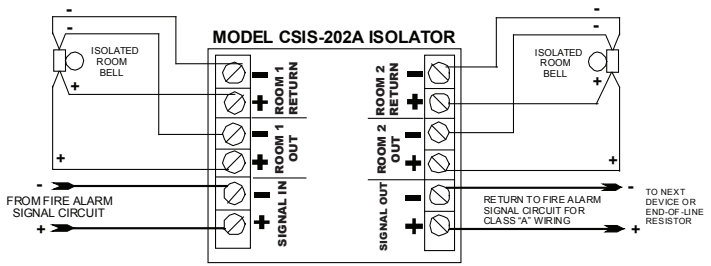


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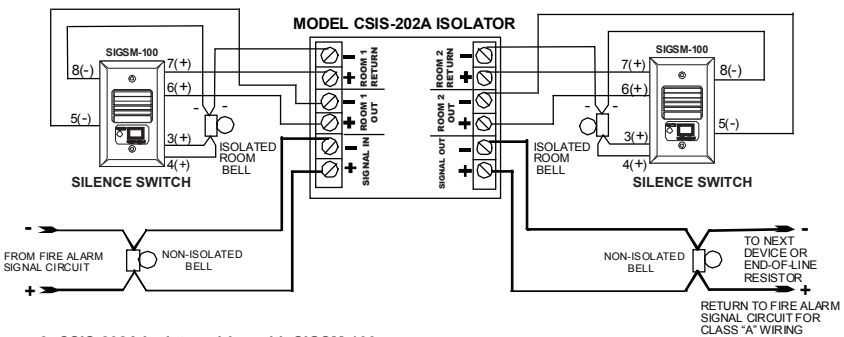
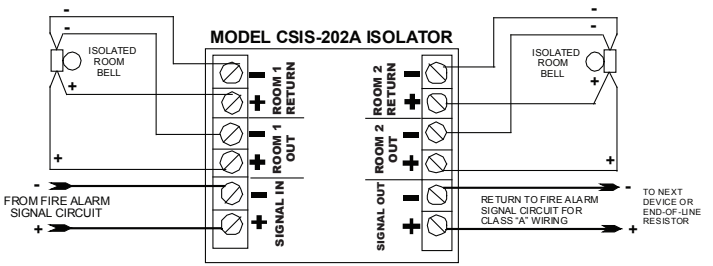


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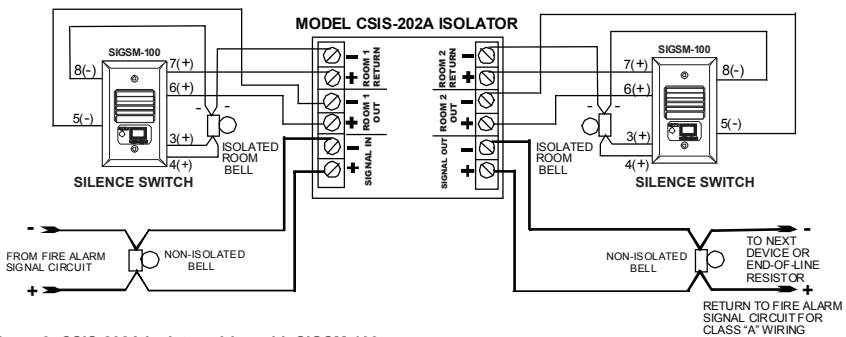


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