

SSMDL Sync•Circuit Synchronization Module (red)

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Invented for life



- ▶ Two-wire operation from module to devices
- ▶ Silences horns over a two-wire loop
- ▶ Synchronizes strobes at 1 Hz and horns to temporal (Code 3) pattern
- ▶ Allows slave module operation

The System Sensor SSMDL Sync•Circuit Synchronization Module works with System Sensor SpectrAlert horns, strobes, and horn strobes. They synchronize the temporal-coded horns and the one-second flash timing of the strobes. They also allow silencing the horns over a two-wire circuit while leaving the strobes active.

Each module can connect two Style Y (Class B) circuits or one Style Z (Class A) circuit. More than two zones can be synchronized by connecting the slave input and output.

Certifications and approvals

System Sensor holds these Listings and Approvals:

Region	Certification	
USA	UL	ULSZ: Audible Signal Appliances (UL464)
	FM	SSMDL Family
	CSFM	see our website

Installation/configuration notes

Compatible Control Panels

These synchronization modules are compatible with all 24 V Bosch Security Systems, Inc. Control Panels.

Mounting Considerations

These synchronization modules mount directly on back boxes measuring 4.6875 in. (11.9 cm) square by 2.125 in. (5.4 cm) deep.

Strobe Cautions

When using a synchronization module, do not exceed:

- The voltage range for the chosen nominal voltage (8 V to 17.5 V for 12 V nominal or 16 V to 33 V for 24 V nominal)
- 70 strobes and a maximum line impedance of 4 Ω per loop
- The maximum line impedance of the control panel

Wiring



Notice

These units are not recommended for use in coded or pulsed signaling circuits.

The input terminals accept wires with diameters between 18 AWG and 12 AWG (ISO 0.75 mm² and 4 mm²).

Observe the following cautions:

- Horn control wiring must be contained within a common enclosure with the module.
- Wiring between the panel and module must be contained within:
 - the common enclosure with the module, or
 - a conduit between enclosures within 20 ft (6 m) of each other.
- When loops are interconnected, if the master loop is unpowered or fails during alarm, the slave loop is also unpowered.

Parts included

Quant.	Component
1	Synchronization Module
1	Hardware pack
1	Literature pack

Technical specifications

Electrical

Maximum Load on Loop:	3 A per zone
Voltage (Nominal Input):	12 VDC or FWR unfiltered or 24 VDC or FWR unfiltered
Voltage (Operating Range):	12 V: 9 V to 17.5 V; 24 V: 17 V to 33 V

Environmental

Temperature (Operating):	+32°F to +120°F (0°C to +49°C)
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Mechanical

Dimensions:	5.25 in (13.3 cm) square
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Trademarks

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Ordering information

SSMDL Sync•Circuit Synchronization Module (red)

Red, 24VDC device that can connect to two Style Y (Class B) circuits or one Style Z (Class A) circuit and synchronize System Sensor SpectrAlert horns, strobes, and horn strobes.

Order number **SSMDL**

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