524AM Series
CAN Alarm Indicator Module

The 524AM is a CAN based alarm indicator module. The overlay provides a single switch for local acknowledgement of the alarm and 2 LED indicators for warning or error conditions.

The configuration utility for the 524AM allows for a user defined frequency to be emitted by the alarm. The loudness of the alarm will attenuate dramatically with frequency so please refer to Figure 1 for optimal tone and dBA ratings. The alarm can also be modulated with configurable delay rates. This can be used to provide multiple tones or rates for different alarm conditions.

The 524AM is housed in a complimentary enclosure that allows easy integration with additional rocker switch or rotary encoder configurations. It has the same dimensions as a 4 way rocker switch and can be linked together to provide a single common interface. The overlay prevents water intrusion into the housing and can be silk-screened to meet customer aesthetics.

features

- Front panel switch for alarm control
- 2 LED indicators for warning or error conditions
- Configurable delay rates for alarm modulation
- Customizable silk-screen graphics

design specifications

- Shock: MIL-STD-202G method 213B, test condition C
- Vibration: MIL-STD-202G method 201
- Ingress Protection: IP63
- PCB characteristics: UL94V-0

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electrical specifications

Description	Minimum	Nominal	Maximum
Operating Voltage	10 VDC	12 / 24 VDC	32 VDC
Operating Current	35 mA @ 32VDC	—	50 mA @ 10 VDC
Sleep Mode Current	2 mA	—	—

wiring specifications

V+ (red wire)	GND (black wire)	CANL (green wire)	CANH (yellow wire)
Input	Input	I/O	I/O
Power Input	Ground	CAN Data Bus L	Can Data Bus H
18 AWG	18 AWG	18 AWG	18 AWG

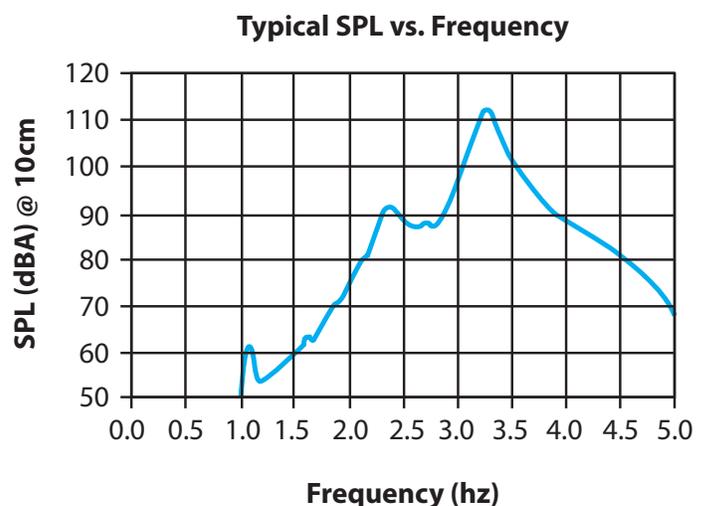## physical specifications

Front Bezel + Back Cover	UL 94 V-0 rated, approved molded ABS
Front Overlay	Polyester EBG180
Operating Temperature	-30°C to 60°C
Storage Temperature	-40°C to 85°C
Operating Humidity	up to 95% condensing
Weight	100 grams

ordering information

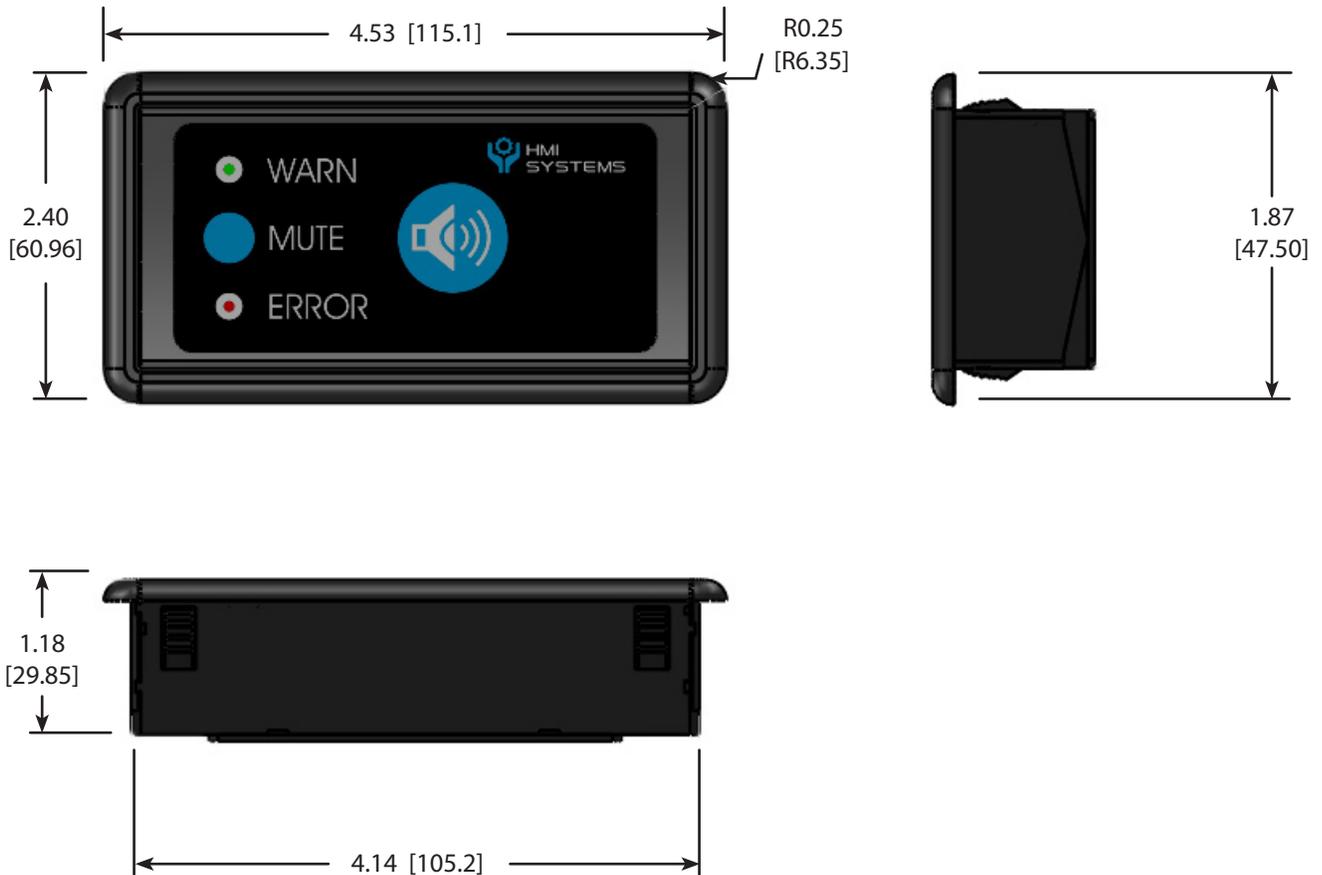| Description	Part Number
CAN Alarm Indicator	521CRED

mounting specifications

A rectangular hole the size of the keep out area must be cut from mounting surface. The keep out area is 4.15" x 1.90" (105.41mm x 48.26mm). Maximum panel thickness is 0.35" (8.89mm), for assembly to lock into place. In order to mount the 524AM, the panel opening cutout needs to fall within the minimum and maximum allowances.

Typical SPL vs. Frequency

dimensional mounting diagram

4.53 [115.1]

R0.25 [R6.35]

2.40 [60.96]

1.87 [47.50]

1.18 [29.85]

4.14 [105.2]

physical connectivity

The 524AM is a module that can be used as a stand alone item in the system, or it can be physically joined with other modules (like the 482CRM or 521CRED) by sliding them together to create a chain of modules, reducing the necessary overall panel space requirements as well as improving overall panel aestetics.

524AM   +   482CRM   +   521CRED

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