

RA400Z & RA400ZA

Remote Annunciators



Annunciator Control Systems

General

The System Sensor RA400Z and RA400ZA (Canadian) Remote Annunciators are polarized devices designed for both conventional and intelligent applications. They have been designed using an active current regulator so that the maximum current required from the system is 7 mA when the input voltage is within the specified voltage range.

Specifications

Voltage Range, CONVENTIONAL System: 3.1 to 32 VDC - DO NOT break tab.

Voltage Range, INTELLIGENT System: 18 to 32 VDC - Break tab (see caution note).

CAUTION: DO NOT break tab when using RA400Z or RA400ZA with an intelligent four-wire duct detector (such as System Sensor's DH500ACDC or NOTIFIER's DHX-501).

Current Drain: 7 mA maximum.

Temperature Range: -10°C to 60°C (14°F to 140°F).

NOTE: For indoor applications only.

Installation

The RA400Z/RA400ZA is intended to be mounted to a single-gang electrical outlet box. The device must be operated within its published specifications. Wire the remote annunciator according to the instructions supplied with the device being monitored and in compliance with all codes. Polarity of the incoming wires must be observed and connected to the proper terminals "+" and "-" (see figure).

The tab on the back of the remote annunciator must be broken off for use with most System Sensor intelligent systems (see figure and caution under Specifications). After the tab is broken, the input voltage for the RA400Z and RA400ZA is limited to 18 volts minimum.

The Limitations of Remote Annunciators

- **The remote annunciator will not work if the device it is connected to is not powered.** The remote annunciator gets its power from the device to which it is connected. If for any reason, the device being monitored loses power, the remote annunciator will not provide the intended visible signal. The RA400Z is suitable for indoor applications only.
- **The remote annunciator may not be seen.** The model RA400Z is suitable for direct viewing and is in compliance with existing Underwriters' Laboratories standards. The device must be sited in a location where it can be seen by the intended parties. The device must not be installed in direct sunlight, or areas of high light intensity where the visible signal might be disregarded or not seen.
- **This device is designed to work specifically with certain NOTIFIER or System Sensor products.** Interconnection with devices other than those specified may result in unsatisfactory operation. Consult device manufacturer for compatibility.
- **The remote annunciator is not intended to be a visible warning signal.**

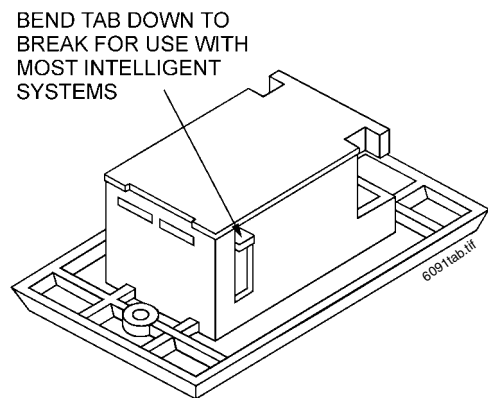
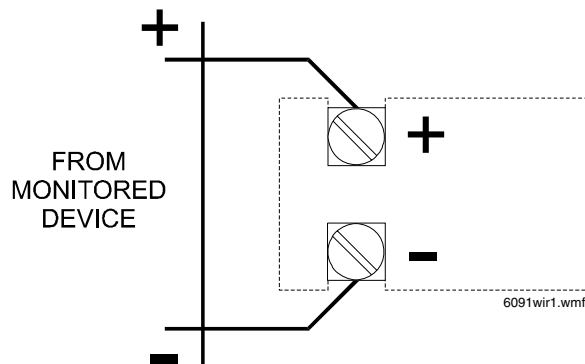


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Agency Listings and Approvals

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- **UL Listed:** S2522
- **ULC Listed:** S2522 (RA400ZA)
- **MEA:** 427-91-E Vol. II
- **CSFM:** 7120:1653:111
- **FM Approved**



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For more information, contact Notifier. Phone: (203) 484-7161, FAX: (203) 484-7118.
www.notifier.com