ALARMS AND INDICATION

REMOTE ALARM INDICATION STATION
MODEL RAD-1

DESCRIPTION

The **RAD-1** is a wall-mounted remote alarm indication station mounted on a stainless steel plate. Any contact closure alarm initiating device that can switch 24 VAC or VDC can be used with the **RAD-1**.

SEQUENCE OF OPERATION

When 24 VAC or VDC is applied to the **RAD-1** through an alarm-initiating device, the red alarm LED will light, the horn will sound, and the alarm status relay will energize. If an initial alarm delay has been set, when 24 VAC or VDC is applied, the red alarm LED will blink until the delay period has expired. Then it will light continuously, the horn will sound continuously, and the relay will energize. If power is interrupted, the RAD-1 will reset to normal state.

During an alarm (24V applied to the **RAD-1**), the horn may be silenced by momentarily pressing the silence switch. The alarm LED will remain lighted, and the alarm status relay will remain energized when the horn is silenced until the alarm condition is cleared (24V removed). If an alarm repeat after silence time has been set, the horn will re-sound at the end of the repeat time. If the relay-follows-horn jumper is installed, the alarm status relay will de-energize when the horn is silenced and re-energize when the horn sounds at the end of the repeat-after-silence time.
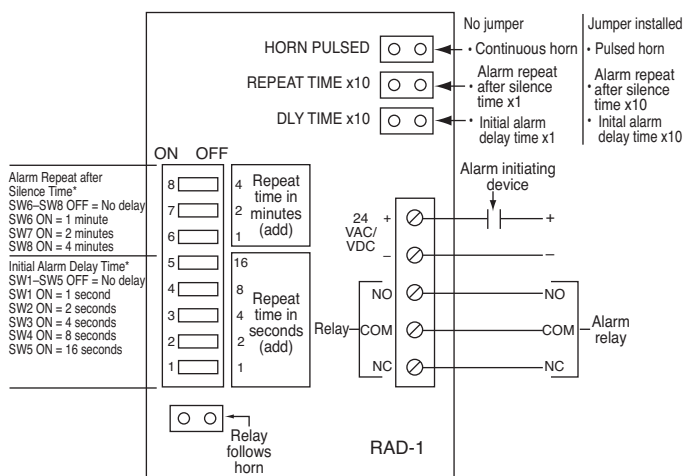
If a pulsed (instead of continuous tone) horn is desired, the horn-pulsed jumper may be installed. If both the horn-pulsed jumper and the relay-follow-horn jumper are installed, the alarm status relay will energize and de-energize with the pulsed horn.

FEATURES

- **Red alarm LED**
- **Alarm horn, continuous or pulsed tone**
- **Alarm horn silence switch**
- **Adjustable alarm delay time**
- **Adjustable alarm repeat time**
- **Alarm status SPDT relay**
- **Relay operates with the alarm horn option**

WIRING

* Times are additive; for example, with SW3 and SW5 both ON, 4 sec + 16 sec = 20 sec delay
   (or 200 sec if DLY TIME x10 jumper is installed)

SPECIFICATIONS

Power	24 VAC @ 100 mA or 24 VDC @ 35 mA	**Connections**	Screw terminals, 22-14 AWG wires
Alarm status relay	SPDT, 0.5A @ 24 VAC, 1.0A @ 30 VDC	**Mounting**	Brushed stainless steel plate mounts to standard single junction box, two screws provided
Alarm horn	Continuous or pulsed tone, 70 db min		
Alarm delay time	None, or 1 to 31 seconds in one-second increments, or 10 to 310 seconds in 10-second increments	**Dimensions**	4.5"H x 2.75"W x 1.0"D (11.4 x 7.0 x 2.5 cm)
Alarm repeat time	None, or 1 to 7 minutes in one-minute increments, or 10 to 70 minutes in 10-minute increments	**Weight**	3 oz (74 g)
		Approvals	RoHS
		Warranty	18 months

ORDERING INFORMATION
RAD-1   Remote alarm indication station

2/1/2010