Raptor
RA1x2

The Raptor RA1x2 is a relay splitter and alarm annunciator. It can split a single dry contact relay input into two electrically isolated outputs and annunciate the change in state of any dry contact relay signal.

This surface mounted panel is most commonly used to annunciate audible and visual alarms from any equipment or device that provides a normally open, dry contact input, such as air conditioners, UPS units, and generators. For example, the RA1x2 is often used to annunciate the detection of conductive fluids by an RLE SeaHawk spot detector.

When used as a Relay Replicator, the RA1x2 simplifies integrating a single alarm signal into two unique alarm outputs.

Designed to be simple to use and easy to maintain, the RA1x2 contains dual Form C output relays that activate when an alarm is detected. If the monitored dry contact changes state, the alarm LED illuminates and the audible alarm sounds. Pressing the silence push button silences the audible alarm. The unit is easily reset by pressing the reset push button.

Routine maintenance is also simplified with a push button that initiates a self-test.

Features

- Accepts and annunciates the change of any dry contact signal
- Provides visual and audible remote alarm annunciation
- Duplicates and isolates relays
- Dual summary alarm relay outputs (Form C)
- Lightweight casing

Benefits

- Great for HVAC, PDU, UPS, generator, fire, security, and more
- Users quickly know when an alarm condition is met
- Easily integrates with two separate monitoring systems
- Simple integration with existing monitoring systems
- Easy to install and operate

Integration

RA1x2 Specifications

Power	24VAC/VDC (±10%) @ 150mA max.; requires power supply: PSWA-DC-24-ST (not included)
Inputs	1 Dry Contact (<50mA) SeaHawk Spot Detectors (purchased separately)
Outputs	
Relay	2 Dry Contacts, Form C, 1A @ 24VDC, 0.5A resistive @120VAC
Alarm Notification	
Audible Alarm	74DBA @ 1ft (0.3m)
Front Panel Interface	
Push Buttons	Reset/Test: 1; Alarm Silence: 1
LED Indicators	Power: 1 green (on/off); Alarm/Contact Closed: 1 red
Operating Environment	
Temperature	32°F to 122°F (0°C to 50°C)
Humidity	5% to 95% RH, non-condensing
Altitude	15,000ft (4,572m) max.
Storage Environment	-4°F to 158°F (-20°C to 70°C)
Dimensions	2.7"W x 4.4"H x 1.1"D (69mmW x 112mmH x 28mmD)
Weight	8 oz. (226.7g)
Mounting	Surface mount
Certifications	CE; ETL listed: conforms to UL STD 61010-1, EN STD 61010-1; RoHS compliant