



The Falcon RA1x2 is a multi-functional panel that can annunciate the change in state of a normally open (NO) dry contact relay signal and/or split a single NO dry contact relay input into two electrically isolated outputs.

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

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

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 NO dry contact relay changes state, the alarm LED (red) will illuminate and the audible alarm sounds. Pressing the silence push button will silence the audible alarm. The unit is easily reset by pressing the reset push button (if the fault is cleared at the equipment end).

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

Key Features & Benefits

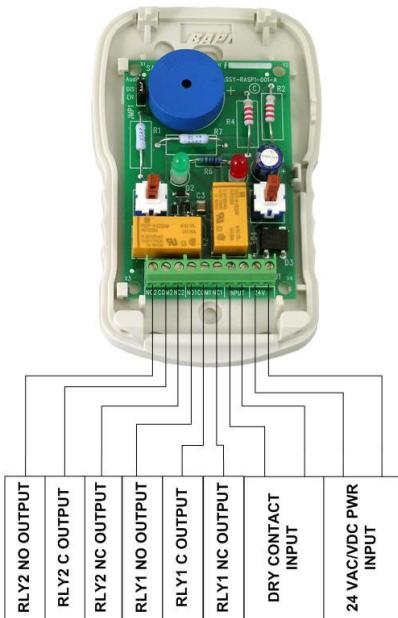
- Accepts and annunciates the change of any NO dry contact signal - HVAC, PDU, UPS, generator, fire, security, and more
- Provides visual and audible remote alarm annunciation
- Duplicates and isolates relays for integration into two separate monitoring systems
- Dual summary alarm relay outputs (Form C) for integration with existing monitoring systems
- Easy to install and operate
- Simple routine maintenance via a self-test push button
- CE; ETL listed; RoHS compliant

Specifications

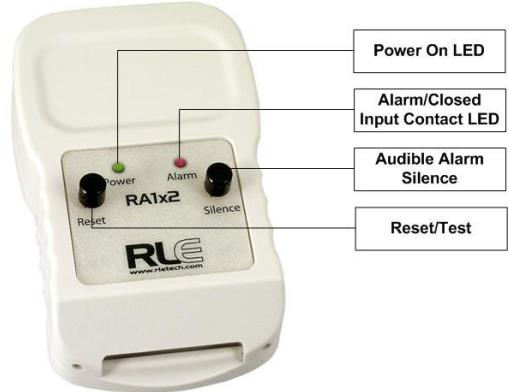
Power	24VAC/VDC ($\pm 10\%$) @ 150mA max.; requires power supply: WA-DC-24-ST (not included)
Inputs	1 NO Dry Contact (<50mA) SeaHawk SD(s) (Spot Detectors)
Outputs Relay	2 Dry Contacts, Form C, 1A @ 24VDC, 0.5A resistive @120VAC
Alarm Notification Audible Alarm	74DBA @ 1ft (0.3m)
Front Panel Interface Push Buttons LED Indicators	Reset/Test: 1; Alarm Silence: 1 Power: 1 green (on/off); Alarm/Contact Closed: 1 red
Operating Environment Temperature Humidity Altitude	32°F to 122°F (0°C to 50°C) 5% to 95% RH, non-condensing 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



Installation



Operation & Testing



The RA1x2 reports the closure of a dry contact change of state. When a contact closure is detected, the audible alarms sounds and the alarm LED will illuminate on the unit.

Silence and Reset

The audible alarm can be silenced by pushing the Silence push button. Select the Reset push button to immediately reset.

Testing

Once the unit has been installed and all electrical connections have been made, test the RA1x2 for proper functionality: push the Reset (Test) button or cause an alarm on the device being monitored. If the RA1x2 is in proper working order, the alarm LED illuminates and the audible alarm sounds. While the alarm is on, push the Silence button to verify that the audible alarm is silenced. If the alarm does not sound and the LEDs do not illuminate, check the power connections and verify that the power on LED is illuminated.



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