

### Applications

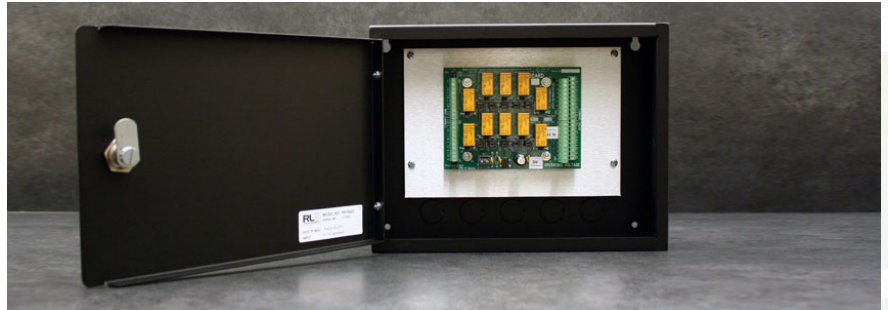
Scenario: A generator has ten dry contact outputs. A facility manager wants to wire these dry contact outputs to a Falcon FMS unit and to the Building Management System (BMS).

Solution: Use a RR10x20 to send the outputs to both systems.

The ten dry contact outputs are wired from the generator to the RR10x20. The RR10x20 provides two electrically isolated digital dry contact outputs for each dry contact input from the generator. Ten outputs are wired to the Falcon FMS unit and ten to the BMS.

### Key Features

- Duplicates and electronically isolates digital dry contact inputs
- Accommodates up to 20 inputs and 40 outputs
- Custom configurations available



### Send A Single Dry Contact Signal To Multiple Systems

Relay Replicators split a single digital dry contact input into two electrically isolated digital outputs, so the same signal can be sent to multiple remote monitoring panels.

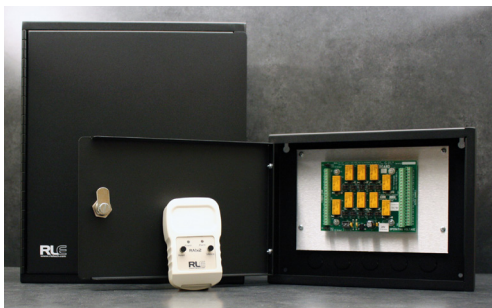
### What Sets RLE's Relay Replicators Apart?

- **Allows digital alarm signals to be sent to multiple alarm systems;** simultaneous alarms can be received in multiple locations
- **Replicates signals safely** without damaging remote panels
- **Integrates seamlessly with monitoring systems;** relay replicators interface with any equipment, device, remote monitoring system, BMS, or panel that accepts digital inputs.

## RR10x20, RR20x40 • Integrates with any alarm monitoring system, including RLE's FMS

Product Codes	
RA1x2	Single input alarm status panel/relay replicator; one input and two outputs, requires PSWA-DC-24
RR10x20	Relay replicator; 10 inputs and 20 outputs, requires 24VAC/VDC
RR10x20-48	Relay replicator; 10 inputs and 20 outputs, requires 48VDC
RR20x40	Relay Replicator; 20 inputs and 40 outputs, requires hardwired 110/120/230-240VAC

Related Items:



Relay Replicator Family



Power Supply PSWA-DC-24

RR10x20, RR10x20-48 Technical Specifications	
Power RR10x20 RR10x20-48	24VAC/VDC ( $\pm 10\%$ ) @ 500mA max.; requires power supply: PSWA-DC-24 (not included) 48VAC/VDC ( $\pm 10\%$ ) @ 250mA max.; requires power supply (not included)
Relay Outputs	20 Form A, 1A @24VDC, 0.5A resistive @120VAC
Isolation	1000Vrms
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	-4F to 158°F (-20°C to 70°C)
Dimensions	10.5"W x 8.0"H x 2.0"D (267mmW x 203mmH x 51mmD)
Weight	5.0 lbs. (2.27kg)
Mounting	Vertical wall mount
Certifications	CE; ETL listed: conforms to UL 61010-1, EN 61010-1; certified to CSA C22.2 NO. 61010-1

RR20x40 Technical Specifications	
Power	100/120/240VAC @ 500mA max., 50/60Hz; hardwired power supply
Relay Outputs	40 Form A, 1A @24VDC, 0.5A resistive @120VAC
Isolation	1000Vrms
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	-4F to 158°F (-20°C to 70°C)
Dimensions	12.0"W x 14.0"H x 4.0"D (305mmW x 356mmH x 102mmD)
Weight	12.0 lbs (5.45kg)
Mounting	Vertical wall mount
Certifications	CE; ETL listed: conforms to UL 61010-1, EN 61010-1; certified to CSA C22.2 NO. 61010-1

