



The **RLY-4** and **RLY-8** are remote relay devices that offer up to four and eight (respectively) additional SPDT dry contact relays to a fixed gas detection system.

The **RLY-4** is specifically designed to communicate with both the QCC Quad Channel Controller and the FCS Flexible Control System via Modbus® communications protocol. The **RLY-8** is designed to work with the FCS only. In the event that the connection is lost between the controller and the remote relay, a user configurable default state can be set to ensure the relays continue to operate as required. The relays are rated 5 amps @ 240 VAC each and can be used to control remote alarms, strobes, exhaust fan starters, make up air fan contactors, etc. Both devices come in a standard water / dust tight, corrosion resistant ABS / polycarbonate enclosure with a hinged, secured door.

A maximum of one **RLY-4** device (offering a maximum of 4 remote relays) can be connected to the QCC. Up to fourteen **RLY-4** devices (offering a maximum of 56 remote relays) can be connected to the FCS. Up to seven **RLY-8** devices (offering a maximum of 56 remote relays) can be connected to the FCS.

### KEY FEATURES

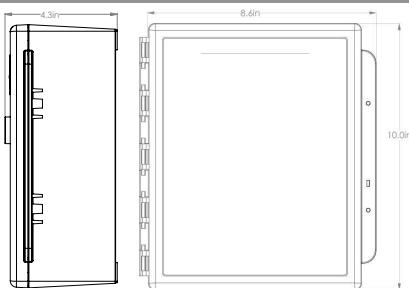
- » Increases the number of available relays
- » User selectable gas alarm activation level for each relay (set at the controller)
- » User selectable "Failsafe" and latching operation (set at the controller)
- » ON/OFF Delay configurations (set at the controller)
- » User configurable to revert to a default state if connection is lost with the controller (set at the controller)
- » Modbus® RS-485 RTU communication
- » Standard, dust / water tight, corrosion resistant enclosure (drip proof)

### APPLICATIONS

- » Parking Garages / Car Parks
- » Vehicle Repair Shops
- » Manufacturing Plants
- » Food Processing Plants
- » Cold Storage Facilities
- » ... and many more



### TECHNICAL DRAWING



### TECHNICAL SPECIFICATIONS

#### MECHANICAL

Enclosure	ABS / Polycarbonate. Copper coated interior to reduce RF interference.
Weight	RLY-4 1.08 kg (2.4 lbs) RLY-8 1.24 kg (2.75 lbs)
Size	10.0" x 8.6" x 4.3" (254 mm x 218 mm x 109 mm)

#### ELECTRICAL

Power Requirements	24 VDC, 3W, Class 2 (draws power from the 24 VDC supplied by the QCC or FCS)
Wiring	4-wire shielded in conduit network wiring between the devices
Fuses	Thermal, resetting

#### INPUT/OUTPUT

Communication	Modbus® RTU over RS-485 Baud rate: 19,200 Modbus ID: 40 (default, configurable)
Relay	4 SPDT relays, rated 5 amps @ 240 VAC (RLY-4) 8 SPDT relays, rated 5 amps @ 240 VAC (RLY-8)

#### ENVIRONMENTAL

Operating Temperature	-20°C to 40°C (-4°F to 104°F)
Humidity	15 to 90% non-condensing

#### CERTIFICATION

CSA, UL, CE, FCC

### PRODUCT CODES

Remote Relay with 4 relays (compatible with the QCC-M, QCC-B, FCS-M, FCS-B)	<b>RLY-4</b>
Remote Relay with 8 relays (compatible with the FCS-M and FCS-B)	<b>RLY-8</b>

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