



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

Both remote relay devices are specifically designed to communicate with the FCS Multi Channel System Controllers via Modbus® communications protocol. The **RLY-4** offers 4 physical relays rated 5 amps @ 240 VAC and 2 horn/strobe drives rated 24 VDC, 500 mA. The **RLY-8** offers 8 physical relays rated 5 amps @ 240 VAC each and 4 horn/strobe output drives.

The **RLY-4** and **RLY-8** can be used to control remote alarms, strobes, exhaust fan starters, make up air fan contactors, etc. 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. Both devices come in a standard water / dust tight, corrosion resistant ABS polycarbonate enclosure with a hinged, secured door.

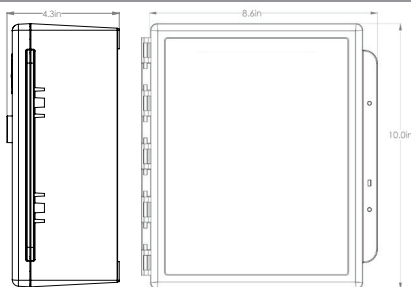
KEY FEATURES

- » Increases the number of available relays
- » Includes 2 (RLY-4) or 4 (RLY-8) horn/strobe drives
- » Set at the controller:
 - » User selectable gas alarm activation level for each relay
 - » User selectable "Failsafe" and latching operation
 - » ON/OFF Delay configurations
 - » Revert to a user configurable default state if connection is lost with 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 in / 254 x 218 x 109 mm

ELECTRICAL

Power Requirements	24 VDC, 3W, Class 2 (draws power from the 24 VDC supplied by the 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	RLY-4: 4 SPDT relays RLY-8: 8 SPDT relays rated 5 amps @ 240 VAC
Horn/Strobe Drives	RLY-4: 2 output drives rated 24VDC, 500 mA RLY-8: 4 output drives rated 24VDC, 500 mA

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

RLY-4	4 remote SPDT relays and 2 horn/strobe drives
RLY-8	8 remote SPDT relays and 4 horn/strobe drives

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