Macurco™
Building & Home Solutions

Whether you are looking for gas detection for a security system, building automation or HVAC system, for personal safety or for monitoring specific gases in potentially hazardous environments, Macurco has a gas detector to meet your needs.

RD-24 Front View

RD-24 Remote Driver

The RD-24 is a remote input/output device that allows flexibility for applications needing more relays, analog outputs, or analog inputs. The RD-24 requires 24VDC to operate and can be used to engage or disengage other equipment such as fans, louvers, horns, strobes, gas valves, etc. Using Modbus communication; you can control multiple I/O based on the application. The remote device can be wired in daisy-chain on the gas detector loop to save wire and allow for great mounting location flexibility.

RD-24 Side View

Key Features

- Modbus addressable remote device: relays, analog output, analog input
- Compatible with the Macurco DVP-1200 control panel
- Wall mount NEMA4X enclosure
- 4 expansion slots for expansion boards: up to 8 relays, 8 analog outputs, or 12 analog inputs
- 24VDC Input
- Status Indicators (LED): Power, communication, Slot 1-4

Applications

- Parking garages
- Car dealerships
- Ambulance/firehouse bays
- Warehouses
- Manufacturing
- Loading docks
- Mechanical Rooms
- Distribution centers
- Vehicle repair facilities
- Bus depots

Specifications

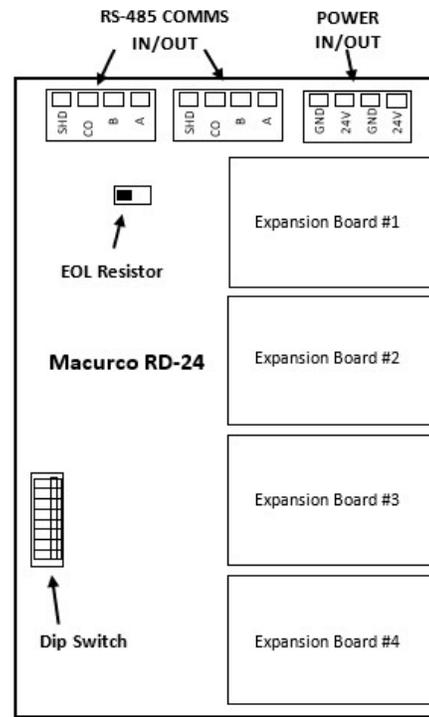|	
Size	10.26" x 11.06" x 3.16" (26.06 x 28.09 x 8.03 cm)
Weight	2.8 lbs. (1.3 kg)
Voltage/Current	Power Input: 24VDC, 0.5A
Operating Temperature	32 to 125°F (0 - 52°C)
Ambient Humidity	0% - 95% RH non-condensing
Mounting	Mounting holes in each corner
Expansion Relay	2 SDPT, 250VAC, 10A Max (resistive), max current draw 55mA
Expansion Analog Input	4 Analog Inputs - max current draw 300mA
Expansion Analog Output	2 Analog Outputs - max current draw 70mA
Settings	Dip Switch – 8 positions
Status Indicators	(LED): Power, communication, Slots 1-4
Enclosure	NEMA4X rated
Warranty	Two year limited warranty

Driver Connections

Figure 3-3 – RD-24 Board Diagram

Wiring Diagram

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