



RS-485 Modbus RTU Interface to 32 Open-Collector Outputs

Part: 540M | **Model:** Seal/O-540M

The Seal/O-540M is an RS-485 Modbus RTU interface to 32 open-collector outputs. The open-collector outputs provide high current sinking over a large operating voltage. Each open-collector output circuit includes a flyback diode for protection when interfacing highly inductive loads, such as DC motors. Outputs are grouped in eight-bit ports which share high and low voltage contacts via 3.5mm terminal blocks.

The Seal/O-540M is powered from your 9-30VDC source, or select from a variety of Sealevel power supply options.

Communicate with the Seal/O-540M using the Sealevel SeaMAX API software libraries or use any Modbus RTU compliant device. Sealevel's SeaMAX software drivers and utilities make installation and operation easy using Microsoft Windows and Linux operating systems.

Expand your I/O network with Seal/O N-series products. Seal/O modules are available with Reed and Form C relays, optically isolated inputs, TTL interfaces, A/D and D/A functionality. Up to 246 additional expansion modules can be added using convenient pass-through connectors.

Get a jump start on your digital I/O development with The Digital I/O Handbook that will provide helpful information that you will use again and again. Check out Chapter 1 for an overview of logic principles.

Features & Specifications

RS-485 Modbus RTU Interface to 32 Open-Collector Outputs

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Features

- RS-485 Modbus RTU interface
- 32 open collector outputs
- Removable screw terminals simplify field wiring
- Input power via terminal block or modular connector
- Optional DIN rail or table mount
- Sealevel SeaMAX software supports Microsoft Windows and Linux operating systems

Specifications

| | |
|---------------------------------|--|
| Family | Seal/O |
| Digital I/O | Open-Collector Outputs |
| Dimensions | 7.5 (L) x 5.1 (W) x 1.3 (H) |
| Extended Temperature | Call for Options |
| Humidity Range | 10 – 90% Relative Humidity, Non-Condensing |
| Host Interface(s) | RS-485 |
| Number of Inputs/Outputs | 32 Outputs |
| Operating Temperature | -25°C to 85°C (-13°F to 185°F) |
| Output Dissipation | Max. 1000mA (single), Max. 2000mA (port) |
| Output Isolation | 2500VAC RMS, 3500VDC |
| Output Power | DC 60W max. |
| Output Type | Open-Collector |
| Output Voltage | Max. 60VDC |
| # of Ports | 32 |
| Power Requirement | 9-30 VDC @ 1.9W |
| RoHS Compliant | Yes |
| Storage Temperature | -50°C to 105°C (-58°F to 221°F) |