



RS-485 Modbus RTU Interface to 8 Isolated Inputs / 8 High-Current Form C Relay Outputs

Part: 520M | **Model:** Seal/O-520M

Control and monitor 8 optically isolated inputs and 8 (SPDT) high-current Form C relay outputs with the Seal/O-520M. Inputs can range from 5-30VDC and optical isolation protects the computer and other sensitive equipment from voltage transients and ground loops that are common in industrial environments. The high-current Form C relays can switch up to 6A loads at 250VAC and up to 5A at 30VDC. Form C relays can be wired for either normally open or normally closed operation. The Seal/O-520M is powered from your 9-30VDC source, or select from a variety of Sealevel power supply options.

Communicate with the Seal/O-520M using industry-standard Modbus RTU protocol or use the Sealevel SeaMAX API software libraries from your application program. 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 8 Isolated Inputs / 8 High-Current Form C Relay Outputs

Part: 520M | Model: Seal/O-520M

Features

- RS-485 Modbus RTU interface
- 8 optically isolated inputs
- 8 SPDT high-current Form C relays
- Removable screw terminals simplify field wiring
- Input power via terminal block or modular connector
- DIN rail or table mount
- Sealevel SeaMAX software supports Microsoft Windows and Linux operating systems

Specifications

| | |
|---------------------------------|--|
| Family | Seal/O |
| Contact Current AC | 6A max. |
| Contact Current DC | 30 VDC @ 5A max |
| Contact Operate Time | 10ms max. |
| Contact Release Time | 10ms max. |
| Contact Voltage | 250VAC/30VDC |
| Digital I/O | Form C Relay Outputs, Isolated Inputs |
| 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 |
| Input Isolation | 300V |
| Input Range | 5-30 VDC |
| Host Interface(s) | RS-485 |
| Number of Inputs/Outputs | 8 Inputs 8 Outputs |
| Operating Temperature | 0°C to 70°C (32°F to 158°F) |
| # of Ports | 8/8 |
| Power Requirement | 9-30 VDC @ 3.5W |
| RoHS Compliant | Yes |
| Storage Temperature | -50°C to 105°C (-58°F to 221°F) |
| Switching Capacity | 5 VDC @ 100mA min. |