



RS-485 Modbus RTU Interface to 32 Optically Isolated Inputs

Part: 430M **Model:** Seal/O-430M

Interface 32 optically isolated inputs via any RS-485 Modbus RTU connection with the Seal/O-430M. Inputs can range from 5-30VDC and provide 300V external isolation. Connection is made using convenient 3.5mm removable screw terminal connectors. To facilitate easy wiring, the inputs are grouped in 4-bit segments that each share a common. The Seal/O-430M is powered from your 9-30VDC source, or select from a variety of Sealevel power supply options.

Communicate with the Seal/O-430M 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.

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Features & Specifications

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Features

- RS-485 Modbus RTU interface
- 32 optically isolated inputs
- Removable screw terminals simplify field wiring
- Status indicator LEDs for Communication, Fault, and Power
- Input power via terminal block or modular connector
- DIN rail mount or table mount
- Sealevel SeaMAX software supports Microsoft Windows and Linux operating systems

Specifications

Family	Seal/O
Digital I/O	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
Input Impedance	6.2K Ohms (in series)
Host Interface(s)	RS-485
Number of Inputs/Outputs	32 Inputs
Operating Temperature	0°C to 70°C (32°F to 158°F)
# of Ports	32
Power Requirement	9-30 VDC @ 0.4W
RoHS Compliant	Yes
Storage Temperature	-50°C to 105°C (-58°F to 221°F)