



# Ethernet Modbus TCP to 32 Isolated Dry-Contact Inputs

**Part:** 580E | **Model:** Seal/O-580E

Control and monitor 32 isolated, dry contact inputs via any 10/100BaseT Ethernet connection with the Seal/O-580E. The inputs detect a contact closure between two externally wired field contact points. The dry contact (no-voltage) inputs are ideal for monitoring applications such as alarm contacts, HVAC controls, demux boards, sensing relay contacts, and other control system inputs.

I/O connections are made using convenient 3.5mm field removable screw terminal connectors. Field wiring is simplified since no external power is required to trigger the inputs. The Seal/O-580E is powered from your 9-30VDC source, or select from a variety of Sealevel power supply options.

Communicate with the Seal/O-580E using industry-standard Modbus TCP 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.

The Sealevel Modbus Connect app for iOS allows you to access the registers, coils and discrete I/O of your Sealevel Modbus devices and is available on the App Store. Use the app to remotely access I/O in the field or for testing and troubleshooting during application development.

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

### Ethernet Modbus TCP to 32 Isolated Dry-Contact Inputs

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#### Features

- 10/100BaseT Ethernet Modbus TCP interface
- 32 optically isolated, dry contact inputs
- Removable 3.5 mm screw terminals simplify field wiring
- Input power via terminal block or modular connector
- Status indicator LEDs for Communication, Fault, and Power
- DIN rail mount or table mount
- Easily daisy chain up to 247 units
- Sealevel SeaMAX software supports Microsoft Windows and Linux operating systems
- Includes 7' CAT5 Ethernet cable (Item# CA246) and 7' CAT5 Crossover cable (Item# CA251)

#### Specifications

<b>Family</b>	Seal/O
<b>Digital I/O</b>	Dry Contact Inputs
<b>Dimensions</b>	7.5 (L) x 5.1 (W) x 1.3 (H)
<b>Extended Temperature</b>	Call for Options
<b>Humidity Range</b>	10 – 90% Relative Humidity, Non-Condensing
<b>Host Interface(s)</b>	Ethernet
<b>Modbus</b>	Modbus TCP
<b>Operating Temperature</b>	0°C to 70°C (32°F to 158°F)
<b># of Ports</b>	32
<b>Power Requirement</b>	9-30 VDC @ 3W (Typical) Single Module
<b>RoHS Compliant</b>	Yes
<b>Storage Temperature</b>	-50°C to 105°C (-58°F to 221°F)