

## **USB** to 32 Open-Collector Outputs

Part: 540U | Model: Seal/0-540U

Control 32 open-collector outputs via any USB connection with the Seal/O-540U. 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-540U is powered from your 9-30VDC source, or select from a variety of Sealevel power supply options.

Communicate with the Seal/O-540U using 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.

The Seal/O-540U integrates Sealevel's SeaLATCH locking USB port, which is fully compatible with standard USB cables. When used with the included USB cable with a SeaLATCH USB type B connector, the metal thumbscrew provides a secure connection to the device and prevents accidental cable disconnection.

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 USB to 32 Open-Collector Outputs

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## **Features**

- · 32 open collector outputs
- · Removable screw terminals simplify field wiring
- · Input power via terminal block or modular connector
- Sealevel's SeaLATCH locking USB port provides secure connection with SeaLATCH USB cables via metal thumbscrews
- Optional DIN rail or table mount
- Sealevel SeaMAX software supports Microsoft Windows and Linux operating systems
- Includes 6' USB type A to SeaLATCH USB type B device cable (Item# CA356)

## **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)       USB         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		
Dimensions 7.5 (L) x 5.1 (W) x 1.3 (H)  Extended Temperature  10 - 90% Relative Humidity, Non-Condensing  Host Interface(s)  USB  Number of Inputs/Outputs  Operating Temperature  Output Dissipation  Output Isolation  Output Power  Output Type  Open-Collector	Family	Seal/O
Extended Temperature  Humidity Range  10 - 90% Relative Humidity, Non-Condensing  Host Interface(s)  USB  Number of Inputs/Outputs  Operating Temperature  Output Dissipation  Output Isolation  Output Power  Output Type  Call for Options  10 - 90% Relative Humidity, Non-Condensing  10 - 90% Relative Humidity, Non-Condensing  Associated the second condensing  Was 2000mA (single), Max. 2000mA (port)  Output Power  Output Type  Open-Collector	Digital I/O	Open-Collector Outputs
Temperature  Humidity Range  10 - 90% Relative Humidity, Non-Condensing  USB  Number of Inputs/Outputs  Operating Temperature  Output Dissipation  Output Isolation  Call for Options  10 - 90% Relative Humidity, Non-Condensing  USB  32 Outputs  -25°C to 85°C (-13°F to 185°F)  Max. 1000mA (single), Max. 2000mA (port)  Output Isolation  2500VAC RMS, 3500VDC  Output Type  Open-Collector	Dimensions	7.5 (L) x 5.1 (W) x 1.3 (H)
Humidity Range Condensing  Host Interface(s)  Number of Inputs/ Outputs  Operating Temperature  Output Dissipation  Output Isolation  Output Isolation  Output Power  Output Type  Condensing  Condensing  December 22 Outputs  As 2 Outputs  Outputs  -25°C to 85°C (-13°F to 185°F)  Max. 1000mA (single), Max. 2000mA (port)  Dutput Isolation  Output Power  Output Type  Open-Collector		Call for Options
Number of Inputs/ Outputs  Operating Temperature  -25°C to 85°C (-13°F to 185°F)  Max. 1000mA (single), Max. 2000mA (port)  Output Isolation  2500VAC RMS, 3500VDC  Output Power  DC 60W max.  Output Type  Open-Collector	Humidity Range	
Outputs  Operating Temperature  Output Dissipation  Output Isolation  Output Power  Output Type  Output Type  Output Solution  Output Type  Open-Collector	Host Interface(s)	USB
Temperature  -25°C to 85°C (-13°F to 185°F)  Max. 1000mA (single), Max. 2000mA (port)  Output Isolation  2500VAC RMS, 3500VDC  Output Power  DC 60W max.  Output Type  Open-Collector		32 Outputs
Output Dissipation (port)  Output Isolation 2500VAC RMS, 3500VDC  Output Power DC 60W max.  Output Type Open-Collector		-25°C to 85°C (-13°F to 185°F)
Output Power DC 60W max.  Output Type Open-Collector	Output Dissipation	, , ,
Output Type Open-Collector	Output Isolation	2500VAC RMS, 3500VDC
	Output Power	DC 60W max.
	Output Type	Open-Collector
Output Voltage Max. 60VDC	Output Voltage	Max. 60VDC
# of Ports 32	# of Ports	32
Power Requirement 9-30 VDC @ 2.2W	Power Requirement	9-30 VDC @ 2.2W
RoHS Compliant Yes	RoHS Compliant	Yes
Storage Temperature -50°C to 105°C (-58°F to 221°F)	•	-50°C to 105°C (-58°F to 221°F)