



# 8 16-bit A/D, 8 Isolated Inputs, 8 Form C Relay Outputs Seal/O Expansion Module

**Part:** 570N | **Model:** Seal/O-570N

The Seal/O-570N, designed using the Linear Technology LTC1867 A/D chip, adds eight single-ended 16-bit analog inputs, eight optically isolated inputs and eight Form C relay outputs to your Seal/O network.

Compatible with all Seal/O base units (Ethernet, USB, RS-485, RS-232), the Seal/O-570N easily connects using an RS-485 input. Cabling is accomplished via the RJ45 pass-through connector or removable screw terminals. RS-485 line conditioning allows easy configuration of termination and pull-up/pull-down resistors via external dipswitches.

All Seal/O N-series expansion modules ship with an expansion and strap kit that includes four metal straps, four #4-40 screws, and a 5" RJ45 RS-485 interconnect cable. The metal straps allow you to connect multiple Seal/O modules together in a stack. The interconnect cable can be used to connect Seal/O modules together via the RJ45 pass-through connectors, providing an easy method to cascade RS-485 signals and power from one module to the next. Alternatively, use inexpensive CAT5 cabling to pass data signals between Seal/O modules to create a distributed I/O network.

## Features & Specifications

### 8 16-bit A/D, 8 Isolated Inputs, 8 Form C Relay Outputs Seal/O Expansion Module

Part: 570N | Model: Seal/O-570N

#### Features

- Quick connection to Seal/O devices using RJ45 connector or removable screw terminals
- 8 single-ended 16-bit analog inputs
- 8 optically isolated inputs
- 8 Form C relay outputs
- Removable screw terminals simplify field wiring
- Input power via terminal block or modular connector
- DIN rail or table mount
- Includes expansion and strap kit (item# KT122)

#### Specifications

<b>A/D Chip</b>	Linear Technology LTC1867
<b>Field Wiring</b>	16 – 30 AWG
<b>A/D Range</b>	+/-5V, +/-15V
<b>A/D Resolution</b>	16-bits
<b>Analog I/O</b>	A/D Inputs
<b>Family</b>	Seal/O
<b>Contact Bounce Time</b>	7ms max.
<b>Contact Current</b>	2A max.
<b>Contact Operate Time</b>	5ms max.
<b>Contact Release Time</b>	5ms max.
<b>Contact Voltage</b>	30VDC max.
<b>Digital I/O</b>	Form C Relay Outputs, Isolated Inputs
<b>Dimensions</b>	7.5 (L) x 5.1 (W) x 1.3 (H)
<b>Extended Temperature</b>	Call for Options
<b>A/D Inputs</b>	8 Single-Ended
<b>Input Isolation</b>	2500 VAC RMS, 3500 VDC
<b>Humidity Range</b>	10 – 90% Relative Humidity, Non-Condensing
<b>Input Range</b>	5-30 VDC
<b>Input Impedance</b>	6.2 K Ohms (in series)
<b>Host Interface(s)</b>	Expansion
<b>Number of Inputs/Outputs</b>	16 Inputs / 8 Outputs
<b>Operating Temperature</b>	-20°C to 70°C (-4°F to 158°F)
<b>Output Specification</b>	24 VDC @ 1A
<b>Output Type</b>	Form C Relay
<b># of Ports</b>	8/8/8
<b>Power Connector</b>	1.3mm Barrel, Terminal Block, RJ45 Pass-Through
<b>Power Requirement</b>	9-30 VDC @ 2.3W
<b>RoHS Compliant</b>	Yes
<b>Storage Temperature</b>	-50°C to 105°C (-58°F to 221°F)
<b>Switching Capacity</b>	24W