



Detcon Model AO-4

Addressable 4-20 mA Output Module

888-367-4286
 281-367-4100
 fax 281-292-2860
www.detcon.com
sales@detcon.com

Description

The Detcon AO-4 4-20 mA Output Module is a stand-alone serial addressable device. Each AO-4 has four 4-20 mA output channels that provide 4-20 mA signals as inputs to host control devices. The 4-20 mA outputs are dictated and communicated to the AO-4 by a host control device using RS485 Modbus RTU commands.

AO-4 modules are din-rail mounted and stackable with slide-in connectors that bus the power and communications lines between modules. Modules are serially addressed using front panel switches and the LED flashes to demonstrate valid communications status. As serial devices, these AO-4 modules can be located virtually anywhere in a control system scheme.

The AO-4 module is powered by a standard 11.5-30 VDC input. Each module is designed with integral protection from voltage and current spikes found in typical industrial environments.

The AO-4 4-20 mA Output Module can be combined with Detcon's RL-4 (relay output), DA-4 (4-20 mA input), and DI-4 (contact input) line of I/O modules to create a rugged and reliable control system. Control System designs using the Detcon line of I/O modules are low-cost and simplified. They provide seamless expandability and simplified field wiring for low-cost installations.



Specifications

Capacity

Four 4-20 mA Outputs

Inputs

RS-485 Modbus RTU data representing 4-20 mA signal levels

Outputs

Four 4-20 mA Outputs

Communications

9600 Baud, 8 Data Bits, No Parity, 1 Stop Bit
 Other Baud Rate and Parity Optional

Input Voltage

11.5-30 VDC

Power Consumption

<3 Watts @ 24 VDC

Dimensions

4.5"H x 4"D x 0.7"W

Mounting

35 x 7.5 mm Din Rail Standard

Electrical Classification

NEMA 1

Warranty

One Year

Features

- ☑ Modular Din-rail Mounted Package
- ☑ Stackable Design with Integrated Bus for Communications and Power
- ☑ Serial Addressable Modules
- ☑ RS485 Modbus RTU Platform
- ☑ Four Standard 4-20 mA Outputs
- ☑ Input Protection from Voltage and Current Spikes

Order Guide

- AO-4 Addressable 4 Channel 4-20 mA Output Module #975-041401-000
- Din Rail End Spacer (2 per module grouping) #306-290876-000
- 5 Position Interface Plug (1 per module grouping) #306-189320-300

