



# Detcon Model AO-4

## Addressable 4-20 mA Output Module

888-367-4286  
 281-367-4100  
 fax 281-292-2860  
[www.detcon.com](http://www.detcon.com)  
[sales@detcon.com](mailto: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

