



Detcon Model DI-4

Addressable Contact Input Module

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Description

The Detcon DI-4 contact input module is a stand-alone serial addressable device. Each DI-4 has four relay contact input channels. The state of the contact inputs are communicated by the DI-4 to a host control device using RS485 Modbus RTU commands.

DI-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 DI-4 modules can be located locally or remotely and are connected using standard 4-wire serial communications cable.

The DI-4 module is powered by a 24 VDC input. This input voltage is used to produce a 4 mA level when the contact is open and a 20 mA level when the contact is closed. Each module is designed with integral protection from voltage and current spikes found in typical industrial environments.

The DI-4 contact Input Module can be combined with Detcon's RL-4 (relay output), AO-4 (4-20 mA output) and DA-4 (mA 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

4 Contact Inputs

Inputs

Four Relay Contact Inputs

Outputs

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

Communications

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

Input Voltage

24 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 Contact Inputs
- ☑ Input Protection from Voltage and Current Spikes

Order Guide

DI-4 Addressable 4 Channel Contact Input Module #975-041402-000

Din Rail End Spacer (2 per module grouping) #306-290876-000

5 Position Interface Plug (1 per module grouping) #306-189320-300

