



# Detcon Model 1610-N1-24VDC

ISO 9001: 2000  
Certified

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## Specifications

**Electrical Classification**  
NEMA 1 panel mount

**Dimensions**  
19"W x 5"H x 8"D

**Capacity**  
Up to 16 single channel control modules

**Power Input**  
24 VDC standard

**Power Consumption**  
<5 watts per channel  
(includes gas sensor & control module)

**Outputs**  
Discrete analog 4-20 mA DC  
Serial RS-485 Modbus™  
Discrete or zoned alarm relays

**Operating Temperature Range**  
-40°C to +80°C; -40°F to +175°F

**Warranty**  
One year

## Gas Detection Control System

Compatible with Model 10 Control Modules

## Description

Detcon Model 1610-N1 panel mount control enclosure, along with Model 10 digital control modules, is designed to serve as a host control system for remote mount gas detection sensor assemblies. The single channel modular design can be configured for any combination of gases. All control modules are plug-in front panel accessible for easy maintenance and repair. A "blank plate" can be installed on any unused channel until that channel is needed at some future date. Model PS-288 (288 watt) power supply can be used as a 117VAC/24VDC power source.

- ☞ NEMA 1 Panel Mount
- ☞ Modular plug-in design
- ☞ 1 to 16 channel capacity
- ☞ Discrete analog 4-20 mA outputs
- ☞ Discrete or zoned alarm relays (2 alarms plus fault)
- ☞ Status and parameters accessible via RS-485 Modbus™
- ☞ Compatible with PLC's, SCADA, and DCS

Alarm and fault relays discrete or zoned via gold plated jumper tabs

Power input: 24 VDC standard

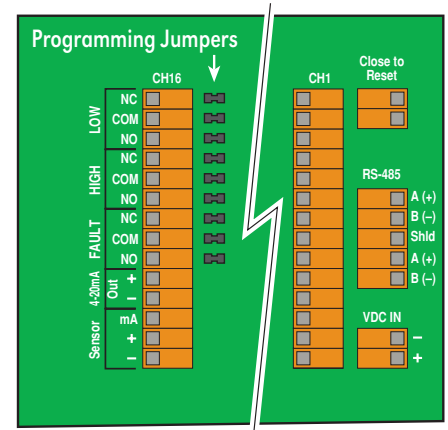
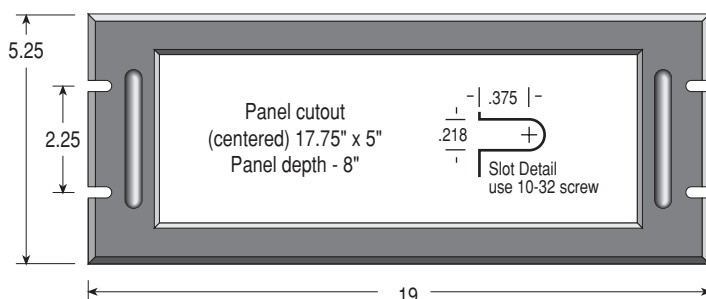
Sensor connections include power and 4-20 mA input

RS-485 allows access to status and parameters

Discrete 4-20 mA output corresponds to range of detection

Alarm reset is accomplished via a remote normally open momentary switch

## Dimensions



## Order Guide

Model 1610-N1-24VDC Control Enclosure #951-161040-000  
Blank Plate #910-000008-003

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