



**ISO 9001: 2000**  
Certified

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# Detcon MODEL 3240-N7

## GAS DETECTION ALARM AND CONTROL SYSTEM

### DESCRIPTION

Detcon Model 3240-N7 is a gas detection alarm and control system housed in a NEMA 7 explosion proof enclosure. It has a system capacity of up to 32 field devices using RS-485 Serial communications and/or 4-20 mA DC analog devices using Detcon Model DA-4X Cards. The system design uses a microprocessor based control card to supervise and display the condition of virtually any type of field mounted gas detection sensor with either a 4-20mA or serial RS-485 output. Sensor types include combustible gas, oxygen deficiency, and more than 40 toxic compounds. The controller is completely user programmable. A backlit alphanumeric display provides indication of gas type and current reading in normal operation. The alphanumeric display is also used to provide simple menu driven operator interface during system programming including selection of gas type, range of sensitivity, alarm level adjustment and alarm relay configuration.



### SPECIFICATIONS

#### Electrical Classification

NEMA 7 Explosion Proof

#### Dimensions

15-3/8"W x 12-3/8"H x 8-1/2"D

#### Capacity

Up to 32 Serial or Analog Inputs

#### Power Input

117-220 VAC (50-60 Hz)

#### Power Consumption

<5 Watts (not including sensors)  
<120 Watts (fully loaded)

#### Indicators

Alarm Condition LEDs  
Backlit Alpha/Numeric LCD

#### Inputs

RS-485 Serial; 4-20 mA (using Detcon DA-4 modules)

#### Outputs

RS-485 Serial  
4 Alarm Relays (rated 5 amp); Alarm 1, 2, 3, & Fault

#### Operating Temperature Range

-20°C to +70°C; -4°F to +158°F

#### Warranty

One year

### FEATURES

- ▶ NEMA 7 Explosion Proof Enclosure
- ▶ Sensor Input Options: 4-20mA or Serial RS-485
- ▶ Completely User/Field Programmable
- ▶ 3 Adjustable Alarm Level Relays, 1 Fault Condition Relay
- ▶ Alarm Inhibit During Calibration with Automatic Timeout
- ▶ Alarm Silence Configuration Option
- ▶ Addressable RS-485 Serial Communication

### ORDER GUIDE

PN 957-324010-000 Model 3240-N7 Control System

#### DA-4X Addressable I/O Card

For use with 4-20 mA DC inputs – up to 4 inputs per card  
8 cards required for 32 channel capacity

PN 500-005129-000 Model DA-4X 4-20 mA DC Input Card

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