



ISO 9001: 2000
Certified

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Detcon Model 140-N4X

Gas Detection Alarm and Control System

Description

Detcon Model 140-N4X is a single channel gas detection alarm and control system housed in a NEMA 4X weather proof enclosure. 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 alpha/numeric display provides indication of gas type and current reading in normal operation. The alpha/numeric 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. Some of the unique features of the Model 140 are logging of calibration, 8-hour time weighted average (TWA), peak exposure level (PEL), and alarm incident history. Logged data is date/time stamped and can be displayed on the 2-line LCD or the data can be downloaded to a PC.



Specifications

Electrical Classification

NEMA 4X Weather Proof

Dimensions

9"W x 12"H x 6.5"D

Power Input

117/220 VAC and/or
11.5 to 28 VDC

Power Consumption

~3 watts.

Indicators

Alarm Condition LEDs
Backlit Alpha/Numeric LCD

Input

Analog 4-20 mA DC
or RS-485 Serial

Outputs

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

Operating Temperature Range

-40°C to +80°C; -40°F to +175°F

Warranty

One year

Features

- ☞ NEMA 4X Dust Tight Weather 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
- ☞ Calibration History and Alarm Event Logging

Options

- ☞ Integral 1-hour Stand-by Battery
- ☞ 4-20 mA Output Module

Order Guide

- ☞ Order by part number 954-010110-000

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