

The SafeTNet 2000 is a microprocessor-based controller designed to accept input from one to two combustible, oxygen, and/or toxic gas detector heads. The controller module can be rack-mounted for a total of 20 detection points

SafeTNet 2000™

Modular, multi-channel gas monitoring system



SafeTNet 2000

Thermo Electron's SafeTNet 2000's standard features include digital readout display, LED alarm indication, 4 to 20 mA output, individual low/high alarms, and a common-fault alarm relay.

Features

- All functions fully programmable through dip & push button switches
- Generic programming design allows configuration to any standard 4 to 20 mA detector head
- Common-fault alarm relay
- Simple alarm-point verification
- Digital display (3 digits)
- One-person calibration with pre-programmable time delay

Modular, multi-channel gas monitoring system

The SafeTNet 2000 is part of Thermo's complete gas detection family, which includes single gas portable monitors to multi-point integrated systems. You can be confident that our versatile solutions and worldwide customer support will ensure you maximum productivity.

Range

Configurable, with indicator for % LEL, ppm, or % Vol.

Inputs

Two 24 VDC, 4 to 20 mA; source type - 2 or 3 wires

Detector Heads

Combustible, oxygen, & toxic

Analog Output

One, 4 to 20 mA source for each channel (1,000 ohms maximum)

Relay Output

Individual, low (form C), high (form A or B) for each channel: programmable for latching/non-latching, energized/de-energized. Common fault (form A or B): normally energized, programmable for latching/non-latching. Each relay rated at 10A/12 VAC

Operating Temperature

-4°F to 113°F
(-20°C to 45°C)

Humidity

0 to 95% RH, non-condensing

Area Classification

General purpose

Low Alarms

Independently adjustable from "Off" to full audible/visual indication. Can be acknowledged and activated for rising/falling level

High Alarms

Independently adjustable from "Off" to full audible/visual indication. Can be activated for rising/falling level

Calibration Time Out

Programmable, to 99 minutes (may be disabled)

Alarm Delay

Programmable, up to 99 seconds (may be disabled)

Programmable

- Range
- Alarm levels
- Gas units
- Decimal place
- Calibration time-out
- Alarm onset delay
- Buzzer enable/disable
- One to two channel operation

Operating Voltage

18 to 30 VDC, 24 VDC normal

Power Consumption

0.25A maximum fused at 1.0A

Dimensions

1.6 in (41 mm) L x
6.8 in (173 mm) H x
11.35 in (288 mm) W

Weight

1.3 lbs (0.6 kg)

Mounting Options

Half rack, full 19 inch rack, panel mount (optional NEMA 12 wall mount enclosure for full rack)

Rack Height

4U

Rack Width

8E

Approvals

Certified to U.S. and Canadian standards

Warranty

One year (materials and workmanship)

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