

SafeTNet 210™ & 410™

Wall mounted, multi-channel gas monitoring systems

The SafeTNet 210 and SafeTNet 410 are microprocessor-based controllers designed to accept one to two (STN210) or one to four (STN410) combustible, oxygen, and/or toxic gas detector heads. Standard features include: digital readout display, LED alarm indication, 4 to 20 mA output, individual low and high alarms, and a common-fault alarm relay.



STN210



STN410

Features

- All functions are 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
- Digital display (3 digits)
- Housed in NEMA 4X fiberglass enclosure
- 98 dB loud external buzzer



Standard Transmitter (oxygen)



FX-IR (combustible)



Sample-Draw Transmitter



FX-SMTn (oxygen/toxic)



FX-SMT (LEL) (combustible)

Wall mounted, multi-channel gas monitoring systems

The SafeTNet 210 & 410 are 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

Each channel individually adjustable to 999 (decimal may be set in any position); reads % LEL, PPM, or % Vol.

Inputs

4 to 20 mA inputs; source type - 2 or 3 wire

Detector Heads

For use with combustible, oxygen, and toxic gas detector heads

Analog Output

One 4 to 20 mA source for each channel (1,000 ohms maximum at 24 VDC input)

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/125 VAC

Operating Temperature

-40°F to 113°F
(-20°C to 45°C)

Humidity

0 to 95% RH, non-condensing

Area Classification

Non-hazardous locations

Low Alarm

Independently adjustable from "Off" to full scale/audible & visual indication. Can be activated for rising & falling level
Alarm acknowledgement using reset button

High Alarm

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

Calibration Time Out

Programmable, up to 99 minutes (may be disabled)

Alarm Delay

Programmable, up to 99 seconds (may be disabled)

Programmable

- Range
- Alarm levels
- Gas units
- Calibration time-out
- One to two channel operation (SafeTNet 210); or one to four channel (SafeTNet 410)
- Alarm onset delay
- Buzzer enable/disable
- Decimal place

Input Power

- 100/130 VAC 50/60 Hz
- 200/260 VAC 50/60 Hz (optional)
- 18 to 30 VDC, 24 VDC nominal - for use with battery back-up (optional)

Current Consumption

SafeTNet 210:

0.4 amp fused at 2.0 amp

SafeTNet 410:

1.3 amp fused at 2.0 amp

Dimensions

SafeTNet 210:

6.30 in (160 mm) L x 12.9 in (328 mm) H x 11 in (280 mm) W

SafeTNet 410:

8.31 in (211 mm) L x 14.55 in (370 mm) H x 13.25 in (337 mm) W

Weight

SafeTNet 210:

approximately 8 lbs (3.75 kg)

SafeTNet 410:

approximately 15.5 lbs (7 kg)

Case Material

NEMA 4X molded fiberglass polyester

Approvals

UL classified and CSA certified for non-hazardous locations

Warranty

One year (materials and workmanship)

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