

Safe T Net 210™ & 410™ Wall Mounted, Multi-Channel Gas Monitoring System

Continuous monitoring control system



Overview

The Safe T Net 210 and the Safe T Net 410 are microprocessor-based controllers designed to accept one to two (STN210) or one to four (STN410) combustible, oxygen, and/or toxic gas transmitters. 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.

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)
- One-person calibration
- Housed in NEMA 4X fiberglass enclosure
- 98 dB loud external buzzer

A wide range of transmitters are avail-



Standard Transmitter



FX-SMT (LEL) (combustible)



FX-SMT (oxygen/toxic)



FX-IR



Sample-Draw Transmitter

Safe T Net 210 & 410 Product Specifications

Ranges	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
Transmitters	For use with combustible, oxygen & toxic gas detector heads
Analog Output	One 4 to 20 mA source for each channel (1000 Ω maximum at 24 VDC input)
Relay Output	Individual low (Form C) and 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

Environmental

Operating Temp.	-4°F to 113°F (-20°C to 45°C)
Humidity	0 to 95% RH, non-condensing
Area Classification	Non-hazardous locations

User Interface

Low Alarm	Independently adjustable from "Off" to full scale/audible & visual indication/can be activated for rising & falling level
High Alarm	Independently adjustable from "Off" to full scale/audible & visual indication/can be activated for rising & falling level
Calibration Time-out	Programmable, to 99 min. (may be disabled)
Alarm Delay	Programmable, to 30 sec. (may be disabled)
Audible Alarm	98 dB

Programmable

- ◆ range
- ◆ alarm levels
- ◆ gas units
- ◆ calibration time-out
- ◆ factory setting
- ◆ one to two channel operation
- ◆ alarm onset delay
- ◆ buzzer enable/disable
- ◆ decimal place

Power

Input Power	100/130 VAC 50/60 Hz 200/260 VAC 50/60 Hz 18 to 30 VDC nominal - for use with battery back-up (optional)
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Current Consumption	Safe T Net 210: 0.4 Amp fused at 2.0 Amp Safe T Net 410: 1.3 Amp fused at 2.0 Amp
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Construction

Dimensions	Safe T Net 210: 6.30" (160mm) L x 12.9" (328mm) H x 11" (280mm) W Safe T Net 410: 8.31" (211mm) L x 14.55" (370mm) H x 13.25" (337mm) W
Weight	Safe T Net 210: Approximately 8 lbs. (3.75 kg) Safe T Net 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)



Safe T Net 210
1 or 2 Channels



Safe T Net 410
1 to 4 Channels

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