

## Multi-Channel Gas Monitoring System, SafeTNet 210™ & 410™

Wall mounted, continuous monitoring control system



SafeTNet 210  
1 or 2 Channels



SafeTNet 410  
1 to 4 Channels



### Key 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

The Thermo Scientific Multi-Channel Gas Monitoring System, SafeTNet 210 and the SafeTNet 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.

Applications Include:

- Waste Treatment plants
- Water Treatment plants
- Petrochemical refineries
- Pulp & paper mills
- Steel plants
- Mining & Tunneling operations
- Boiler plants
- Parking Garages
- Equipment Shelters

To maintain optimal product performance, you need immediate access to experts worldwide, as well as priority status when your air quality equipment needs repair or replacement. We offer comprehensive, flexible support solutions for all phases of the product life cycle. Through predictable, fixed-cost pricing, our services help protect the return on investment and total cost of ownership of your Thermo Scientific air quality products.

## Product Specifications

<b>Ranges</b>	Each channel individually adjustable to 999 (decimal may be set in any position); Reads % LEL, PPM or % Vol.		
<b>Inputs</b>	4 to 20 mA inputs; Source type - 2 or 3 wire		
<b>Transmitters</b>	For use with combustible, oxygen & toxic gas detector heads		
<b>Analog Output</b>	One 4 to 20 mA source for each channel (1000 Ω maximum at 24 Vdc input)		
<b>Relay Output</b>	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		
<b>Operating Temp.</b>	-4 °F to 113 °F (-20 °C to 45 °C)		
<b>Humidity</b>	0 to 95% RH, non-condensing		
<b>Area Classification</b>	Non-hazardous locations		
<b>Low Alarm</b>	Independently adjustable from "Off" to full scale/audible & visual indication/can be activated for rising & falling level		
<b>High Alarm</b>	Independently adjustable from "Off" to full scale/audible & visual indication/can be activated for rising & falling level		
<b>Calibration Time-out</b>	Programmable, to 99 min. (may be disabled)		
<b>Alarm Delay</b>	Programmable, to 30 sec. (may be disabled)		
<b>Audible Alarm</b>	98 dB		
<b>Programmable</b>	♦ range	♦ calibration time-out	♦ alarm onset delay
	♦ alarm levels	♦ factory setting	♦ buzzer enable/disable
	♦ gas units	♦ one to two channel operation	♦ decimal place
<b>Input Power</b>	100/130 VAC 50/60 HZ, 200/260 VAC 50/60 Hz, 18 to 30 Vdc nominal - for use with battery back-up (optional)		
<b>Current Consumption</b>			
<i>Safe T Net 210:</i>	0.4 Amp fused at 2.0 Amp, Approximately 8 lbs. (3.75 kg)		
<i>Safe T Net 410:</i>	1.3 Amp fused at 2.0 Amp, Approximately 15.5 lbs. (7 kg)		
<b>Physical Dimensions</b>			
<i>Safe T Net 210:</i>	6.30" (160mm) L x 12.9" (328mm) H x 11" (280mm) W		
<i>Safe T Net 410:</i>	8.31" (211mm) L x 14.55" (370mm) H x 13.25" (337mm) W		
<b>Case Material</b>	NEMA 4X molded fiberglass polyester		
<b>Approvals</b>	UL Classified and CSA Certified for non-hazardous locations		
<b>Warranty</b>	One year (materials and workmanship)		

### A wide range of transmitters are available:



Standard  
Transmitter



FX-SMT (LEL)  
(combustible)



FX-SMT  
(oxygen/toxic)



FX-IR



Sample-Draw  
Transmitter

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This product is manufactured in a plant whose quality management system is ISO 9001 certified.

Lit\_STN210410AQL\_08/09