SEC 2500 Hand Held Programmer

Features

- *CSA/NRTL Approved*
- *Used for non-intrusive configuration and calibration of SEC 2000 gas detectors*
- *Calibrates, checks and correlates data from any SEC detector on the data highway*
- *Bi-directional infrared communication when pointed at any SEC 2000 display board*
- *Intrinsically safe menu driven device*
- *Can communicate with SEC 1500, SEC 2000 and SEC DAIM devices*

Operation

The SEC 2500 Hand Held Programmer transmits and receives infrared light from the front of the housing. The infrared light is used to establish non-intrusive communication with any SEC 2000 that is equipped with a display module. When communicating with the SEC 2000, the SEC 2500 must be pointed directly at the display module of the SEC 2000 which can be up to 15 feet away.

The Hand Held Programmer can communicate with any SEC 2000 gas detector on the same RS-485 network once infrared communication is established. Data exchange, using the infrared link, occurs at a rate of 300 baud.

The programmer has a socket at the bottom of the unit for connecting to a Data Communication Cable (P/N 147-1000C). The Data Communication Cable enables a hardwire communication connection to all SEC devices.

Once communication is established, the devices can be checked, calibrated and information can be correlated with a touch of the keypad located on the SEC 2500 Hand Held Programmer. The SEC 2500 Hand Held Programmer is certified for use in hazardous areas.

SEC 2500

Specifications

Data Communication Interfaces
RS-485 Wired Connection
Direct Plug Connection
Infrared

Data Exchange Rate
RS-485:   9600 Baud
Direct: 300 Baud
Infrared: 300 Baud

Main Menu Choices
Data Exchange
Configuration
Relay Programming
Manual Relay Control
Calibration
Sensor Synopsis
Reset Relays
Lamp Test
Edit Today's Date

Controls
Membrane Keypad

Display
16 x 2 Line Alpha-Numeric LCD Display

Power Source
"AA" Alkaline Batteries (4 Required)

Battery Life
Approximately 25 Hours

Operating Temperature
32˚ - 150˚F
0˚ - 70˚C

Dimensions
8.25 (L) x 4 (W) x 2 (D) inches
210 (L) x 100 (W) x 55 (D) mm

Weight
Approximately 14 ounces with batteries
Approximately 400 grams with batteries

CSA Certification
CSA File # LR95495-2

RANGES FOR USER INPUTS

Input	Range
Year	0 - 2246
Month	1 - 12
Day	1 - 31
I.D.#	0 - 9999
Decimals	0 - 2
Calibration Gas Value	1 - 9999
Bridge Voltage (x10)	0 - 255
LOW Alarm Set	
Combustible	0 - 40
All Others	0 - 9999
MID Alarm Set	
Combustible	0 - 40
All Others	0 - 9999
HIGH Alarm Set	
Combustible	0 - 60
All Others	0 - 9999
Relay Off Delay	0 - 255 Minutes

Other Products Available:

Infrared Hydrocarbon Gas Detectors
Explosion Proof Gas Detectors
Non-Explosion Proof Gas Detectors
4-20 mA Gas Detectors
Data Logging/Graphics Software Packages
Optical UV/IR Flame Detectors
Fire Suppression Aerosol Generators
Portable Automatic Fire Fighting Systems
Halotron Systems
Twin Agent Units
Dry Chemical Mobile and Stationary Units

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