



SEC 3500 HMI Operator Interface

Features

- *Intuitive graphical interface*
- *7.7" 256-color 640x480 DSTN Display*
- *RS485 Modbus® RTU Communication to SEC 3100*
- *10-Base-T/100-Base-TX Ethernet Port*
- *Configuration and Firmware are Stored in 8MB of Non-volatile FLASH Memory*
- *CompactFlash® Socket to increase memory capacity*
- *Dedicated MENU Key and 6 Soft-Keys*
- *Power unit from 24VDC \pm 20% supply*
- *Resistive Analog Touchscreen*
- *Powerful 32-bit Processor*
- *Audible alarm*
- *Remote Web Access and Control Facility*
- *NEMA 4X / IP66 Front Panel*
- *16 Programmable Relays (Expandable to 40)*
- *Interfaces with up to 254 Network Devices*
- *"Stat Cast" RS232 System Status Broadcast*

Operation

The SEC 3500 HMI is an operator interface dedicated to communicating to the SEC 3100 gas detectors, SEC 4855 Relay Controllers, SEC 3100 AIM, SEC 3100 LIM units. The SEC 3500 has output capabilities to the plant control system. The SEC 3500 uses an industry standard RS485 communication protocol to interrogate up to 254 Network Devices.

Standard display screens are set up for intuitive interaction for the operator and network devices. The primary screens are Main Zone Summary, Alarm Summary, Bus Summary. Individual device screens can be viewed and programmed from the SEC 3500 HMI. Password protected security ensures only authorized access to critical screens.

SPECIFICATIONS

Operating Voltage

19 to 29 VDC $\overline{\text{---}}$

Power Consumption

40 Watt Max (Not including relay)
Contact current or 24VDC supplied to external relays

Temperature Rating

Operating: 0° to + 50°C
Storage: -25° to + 60°C

Operation and Storage Humidity

0-80% maximum RH (Non-condensing)
From 0° to + 50°C

Altitude

Up to 2000 meters

Interface

RS485 Port: Interactive "Modbus" (expandable to two)
RS232 Port: "Statcast" System parameter broadcast
Ethernet Port: Remote Screen Access
10 BASE-T / 100 BASE TX
RJ45 jack wired as a NIC (Network Interface Card)
16 Programmable Relays (expandable to 40)

Relay Contacts:

1 NO, 1 NC per Relay
Contact Rating: 8A @ 30VDC, 8A @ 250VAC

Audible Alarm

1 - Alarm and Fault

Display

Type	DSTN
Colors	256 VGA
Pixels	640 X 480
Brightness	120cd/m ²
Backlight	40,000 hours typical

Weight

45 lbs (20.7 kg)

Battery

Lithium coin cell

Memory

8 Mbyte non-volatile flash

Memory Card

CompactFlash Type II slot for Type I & Type II CompactFlash cards

Enclosure Construction

Powder Coated Steel

Housing Dimensions

16 (W) x 16 (L) x 10 (D) inches
406 (W) x 406 (L) x 254 (D) mm

System Components

SEC3500 Operator Interface (Master)
SEC3100 Gas Transmitter
Remote Relay Module
3100 AIM Interface Module
3100 ISO Repeater
3100 LIM Interface Module

Approvals

CSA: C22.2 No 0, No 0.4-04,
No14-05, No 142
UL 508

Relay Contacts:

Cat. 1, Pollution Degree 2

Other Products Available

Gas Detectors - Explosion proof
Gas Detectors - Non Explosion proof
Process Gas Analyzers
Dual Gas Analyzers
Portable Fire Suppression Systems:
Dry Chemical
Halotron
Twin Agent
Stationary Fire Suppression Systems