SEC 3500CR HMI Operator Interface

Document #1460049 Revision B ECO 000341

Features

- Intuitive graphical interface
- 7" 16M-color 800x480 TFT Display
- RS485 Modbus® RTU Communication to SEC 3100
- 10-Base-T/100-Base-TX Ethernet Port
- Configuration and Firmware are Stored in 512MB Non-volatile FLASH Memory
- SD Card Socket to increase memory capacity
- Power unit from 24VDC ±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
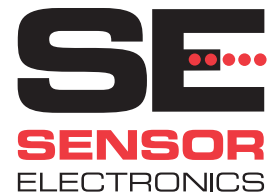- "Stat Cast" RS232 System Status Broadcast

Operation

The SEC 3500 HMI is an operator interface dedicated to communicating to the SEC 3100/3120 detectors, SEC 4855 Relay Controllers, SEC 3100 AIM, SEC 3100 LIM and SEC 3120 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.

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SPECIFICATIONS

Operating Voltage
19 to 29 VDC - - -

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
0-85% 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	TFT
Colors	16M
Pixels	800 X 480
Brightness	430 cd/m2
Backlight	50,000 hours typical

Weight
45 lbs (20.7 kg)

Battery
Lithium coin cell

Memory
512 Mbyte non-volatile flash

Memory Card
8 gb SD Card Supplied

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 Universal Gas Transmitter
Remote Relay Modlue
3100 AIM Interface Module
3100 ISO Repeater
3100 LIM Interface Module
3120 Universal Transmitter
3120BRS Module

Approvals
CSA 22.2 No 14-05
UL 508
UL 2017

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

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