

The SEA-8 is the largest control unit in Smarteye's Reader Product family. It is capable of supporting up to eight (8) Smarteye Readers utilizing a standard multi-drop line serial interface. This serial interface is extremely flexible and readily configured to most control system requirements.

Available in NEMA-12 or panel mount construction with or without an integral front panel display, the SEA-8 is primarily designed to handle the requirements of medium to large scale system applications. Utilizing the front panel display, the SEA-8 provides unique diagnostic and user interface capabilities to assist both engineering and maintenance personnel.



Models #SP1024/03, SP1005/04, SP1061/02 and SP1062/02

## Product Features

### Built-in Front Panel Display

### Supports Standard Smarteye Readers

### Three Circuit Board Set

- ◆ CPU, field interface and display

### Reader inputs (8)

- ◆ Optically isolated signals
- ◆ Plug-in screw terminal connections

### Readers

- ◆ May be located up to 1500' (457.2m) away using Belden 9773 cable or equivalent

### Display features

- ◆ Single LED digit for reader number
- ◆ 5 LED digits for label or error number
- ◆ 3 LED digits for message age
- ◆ 15 LED digits for reader diagnostics
- ◆ 2 switches for display control
- ◆ Thumbwheel for reader selection

### Opt. Parallel Interface Unit (P-Linc) Available

- ◆ SP2004/02

### Serial Communication

- ◆ RS232 [up to 50' (15.24m)]; RS485 [up to 4000' (1219.2m) point-to-point or multi-drop] (selectable)
- ◆ Up to 9600 baud (selectable)
- ◆ Odd parity/no parity (selectable)
- ◆ Address (selectable)
- ◆ Handshake/poll/open-loop/parallel modes (selectable)
- ◆ Jumpers for line termination and passive biasing
- ◆ Plug-in screw terminal connections

### Models Available

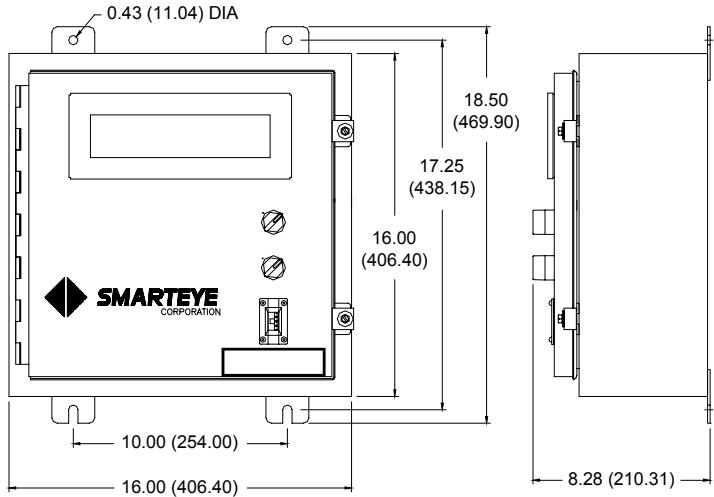
- ◆ SP1024/03 NEMA-12 with display
  - ◆ SP1024/04 NEMA-12 with display (CE version)
  - ◆ SP1062/02 Panel mount with display
  - ◆ SP1005/04 NEMA-12 without display (\*)
  - ◆ SP1061/02 Panel mount without display (\*)
  - ◆ SP1029/03 NEMA-12 with display and keypad input (\*)
- (\*) Special order only

**Environmental Specifications**

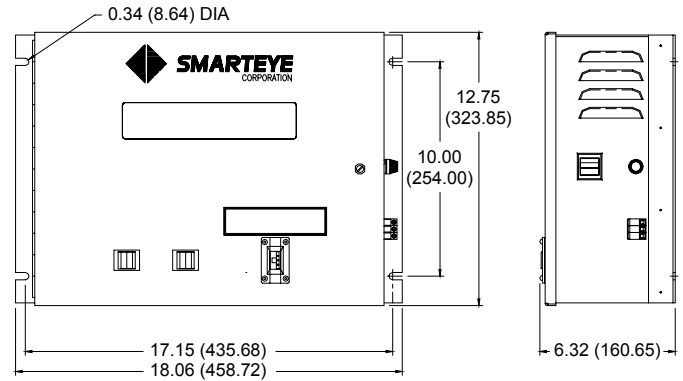
- ◆ Operating temperature: 0 - 50 °C
- ◆ Humidity: 95% non-condensing

**Power Requirements**

- ◆ 0.4 amp @ 120VAC 60Hz
- ◆ 85-264VAC 50-60Hz
- ◆ Screw terminal connections



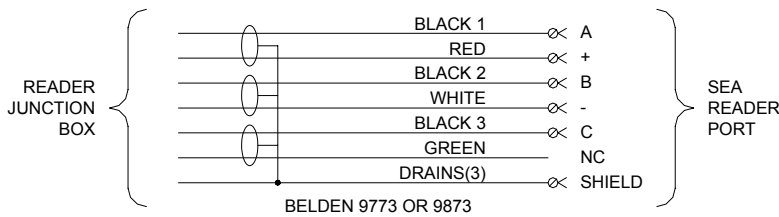
**SP1024/03**  
NEMA-12



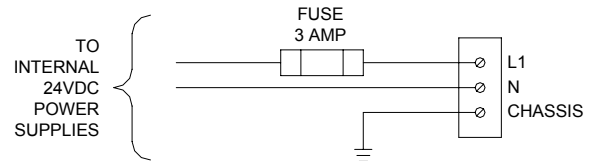
**SP1062/02**  
PANEL MOUNT

*Electrical Interconnections*

**READER PORT**



**AC POWER INPUT**



**CONTROL PORT**

