

An intermediate member of Smarteye's product family, the Twin Control Unit is offered as a modular 2-reader version of the popular 8-port multiplexor, the SEA-8. Incorporating all of the key features of the SEA-8 into an economical single PCB-based package, the Smarteye Twin is equally well suited for those small system applications or for larger applications requiring highly distributed reader placement.

The Twin supports up to two (2) Smarteye Readers utilizing the standard Smarteye serial control interface protocol. It is specifically intended for applications requiring a full-featured, modular control unit.



Models #SP2000/04, SP2002/04

Product Features

Built-in Front Panel Display

Auxiliary Serial Port for Diagnostic Purposes

Supports Standard Smarteye Readers

- ◆ SP1050 Sender/Receiver Series

Single Printed Circuit Board

- ◆ Incorporates CPU, display, field interface circuitry, and wiring terminals

Reader Inputs (2)

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

Readers

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

Auxiliary Serial Port

- ◆ RS423 [up to 2000' (609.6m) point-to-point]
- ◆ Up to 19.2K baud, no parity
- ◆ Jumpers for simple line termination
- ◆ Transmit and receive LED's

Serial Communication Control Port

- ◆ RS423 [up to 2000' (609.6m) point-to-point]/ RS485 [up to 4000' (1219.2m) point-to-point or multi-drop] (selectable)
- ◆ Up to 19.2K baud (selectable)
- ◆ Odd parity/no parity (selectable)
- ◆ Address (selectable)
- ◆ Handshake/poll modes (selectable)
- ◆ Line termination & passive biasing (selectable)
- ◆ Transmit and receive LED's
- ◆ Plug-in screw terminal connections

Display Features

- ◆ Single LED digit for reader number
- ◆ 5 LED digits for label or error number
- ◆ 2 LED indicators for reader diagnostics
- ◆ 2 rocker switches for display control

Models Available

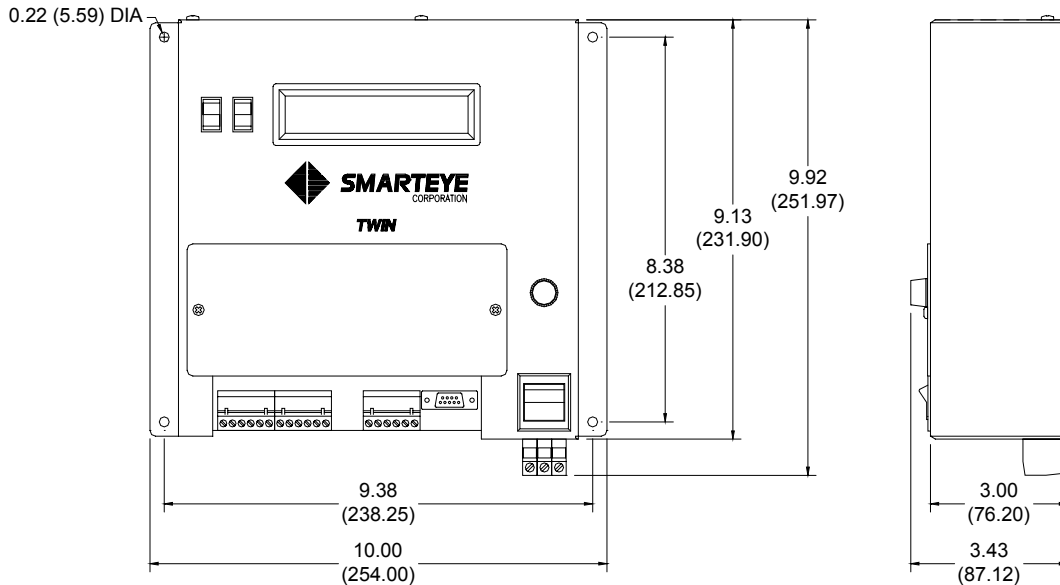
- ◆ SP2000/04 Panel Mount (CE rated)
- ◆ SP2002/04 NEMA-12 (CE rated)

Environmental Specifications

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

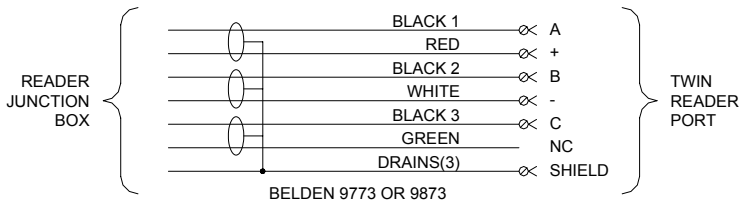
Power Requirements

- ◆ 24W @ 120VAC 60Hz
- ◆ 85-264VAC 50-60Hz
- ◆ Screw terminal connections

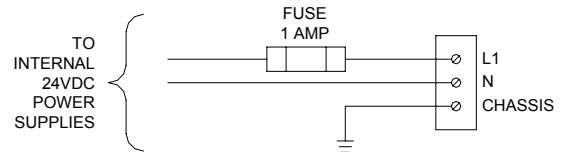


Electrical Interconnections

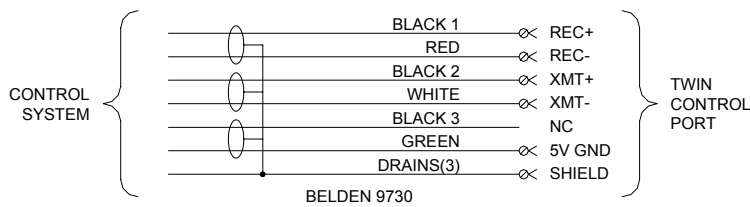
READER PORT



AC POWER INPUT



CONTROL PORT



AUXILIARY PORT

