

Smarteye Corporation, the worldwide leader in conveyor carrier identification systems is proud to offer its state-of-the-art S-net DeviceNet Controller. This single port controller is ideal for conveyor systems that use DeviceNet as the backbone for their material handling control system architecture. As with all Smarteye products, the S-net's rugged and compact packaging is designed to withstand the harshest material handling environments.



Model #SP4000/01

Product Features

Supports Standard Smarteye Readers

- ◆ SP1050 Sender/Receiver Series

Status Indicators

- ◆ Power on, and low power LEDs
- ◆ Transmit and receive LEDs for each communication port

Reader Inputs (1)

- ◆ Optically isolated signals
- ◆ Cage clamp terminal connections

Readers

- ◆ Direct connect or may be located up to 500' away using Belden 9773 cable or equivalent

DeviceNet Control Port

- ◆ Up to a 1600' trunk line, (see your DeviceNet manual for maximum trunk line lengths)
- ◆ DeviceNet baud rates 125K, 250K, or 500K (selectable)
- ◆ MAC ID address 00-63 (selectable)
- ◆ Supports DeviceNet slave polled messaging configured for 6 input and 4 output bytes
- ◆ Four bi-color LEDs: network status, module status, transmit, and receive
- ◆ Five pin mini male DeviceNet receptacle

Auxiliary Serial Port

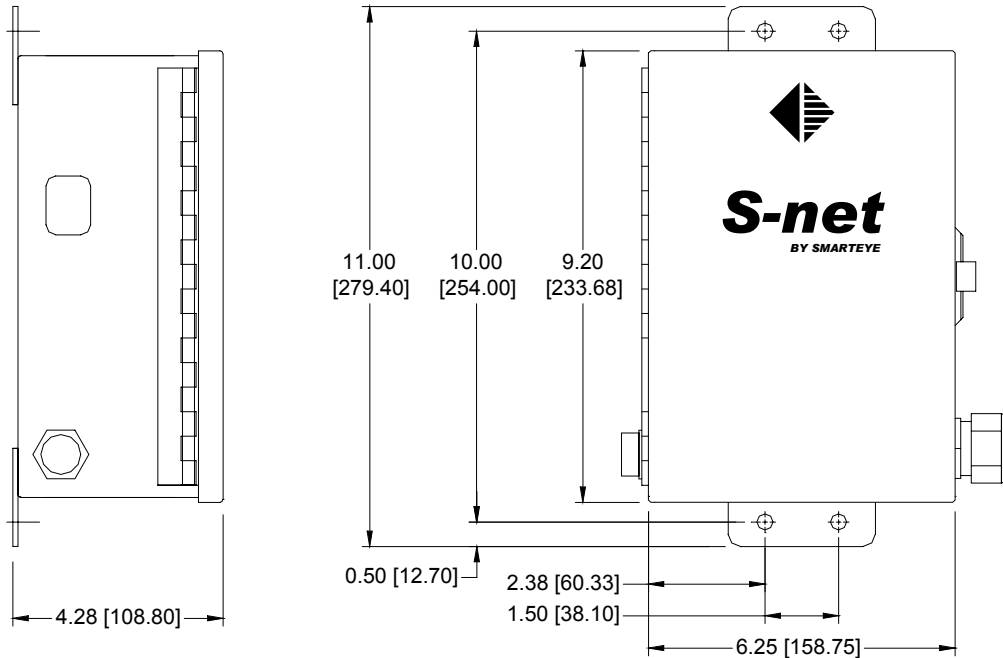
- ◆ Up to 19.2K baud, no parity
- ◆ Transmit and receive LEDs
- ◆ Cage clamp terminal connections
- ◆ Control port monitoring of labels, errors, diagnostics, and messages in and out
- ◆ RS232 (up to 50' point-to-point)

Environmental Specifications

- ◆ Operating temperature: 0-60 °C
- ◆ Humidity: 95% non-condensing
- ◆ Nema-12 packaging standard

Power Requirements

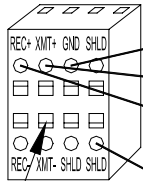
- ◆ 8W @ 11-24VDC
- ◆ Five pin mini male DeviceNet receptacle



Electrical Interconnections

OPTIONAL MONITOR HOOKUP

P1 - AUXILIARY PORT



INSERT 2.5MM SCREWDRIVER HERE TO RELEASE CONTACT

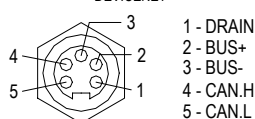
TO USER DISPLAY TERMINAL

- BLACK SIGNAL GROUND
- GREEN RECEIVE
- RED TRANSMIT
- WHITE NC
- SHIELD EARTH GROUND

RS-232 BELDEN 8723

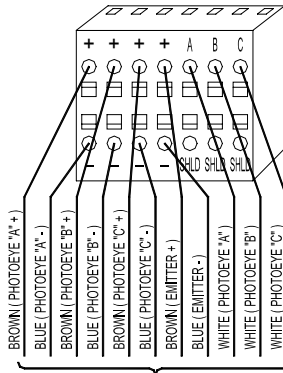
5 PIN MALE MINI-RECEPTACLE

DEVICENET



FOR LOCAL READER HOOKUP

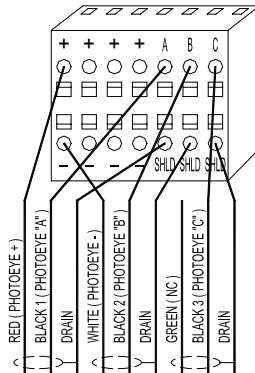
P3 - READER PORT



SENDER/RECEIVER

FOR REMOTE READER HOOKUP

P3 - READER PORT



BELDEN 9773 CABLE

OPTIONAL JUNCTION BOX