

Signal Line Control Module - SLC2

Application

The SLC2 is a Signal Line Control relay designed to provide reliable effective conveyor control via a two wire signal line of stop switches and other tripping devices installed to stop the conveyor.

The signal line is to be terminated using a Bramco End of Line SLC2 terminator.

The SLC2 is suitable for operation in noisy environments and high impedance installations.

A sequence command may be transmitted along the signal line by the SLC2 to the End of Line and any side sequence bugs fitted for sequence starting of associated equipment.

The SLC2 has an RS485 communications port for transmission of relay and signal line status.

N.B. A third core may be necessary to supply power to the sequence units.

Features

- Two wire system
- Simple installation
- Fail-safe operate
- LED Indication of:
 - Power On
 - End of Line Present
 - Open
 - Short
 - Signal Line Health
 - Relay On
 - Sequence Signal On
- RS485 Communication Port
- Sequencing of associate equipment
- Long Line capability of 25Km
- External 24VDC power required.
- Two N/O relay contacts available to indicate line fault.

Specifications

Power Input	24vDC 3.5VA
Signal Line Resistance	Up to 500 Ohms
Trip Delay	1.0 Second typical
Relay Contacts	2 x N/O 5A - 240vAC 100VA

Serial RS-485

MODBUS ASCII support allows remote monitoring of device status.

Available Registers:

- LED states
- Device Voltage
- Signal Line Voltage
- Signal Line Loading
- EOL Tone Quality

MODBUS ASCII

9600 Baud

7 Data Bits

Even Parity

1 Stop Bit

Operating temperature	0 - 60°C (-30° to +60°C Available)
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Enclosure:	55W x 75H x 110D
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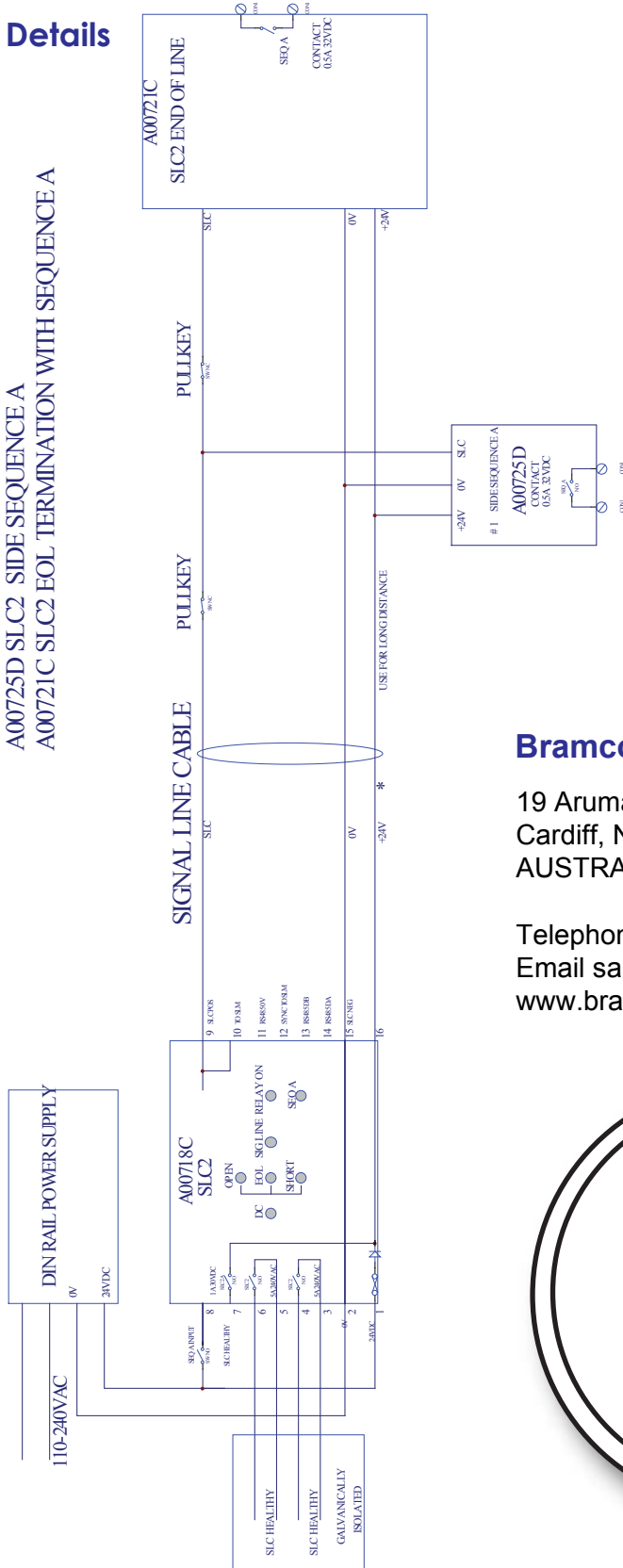
High Impact Polycarbonate
DinRail or Screw Mounting
Cage Screw Terminals
Weights 250g

Ordering Information

A00718C	SLC2 Module
A00721C	EOL Terminator with Seq
A00725D	Side Sequence Module
A00720	SLM2 Module Standard
A00724	SLM2 Remote Screen
A00265	SLM2 Bug Standard
A00920	SLM3 Module
A00921	SLM3 Addressable bug

Connection Details

NON I.S. SYSTEM
 A00718C SLC2 SIGNAL LINE CONTROL WITH SEQUENCE A
 A00725D SLC2 SIDE SEQUENCE A
 A00721C SLC2 EOL TERMINATION WITH SEQUENCE A



* Third wire required if EOL and Side Sequence power is to be supplied from the SLC power supply.

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