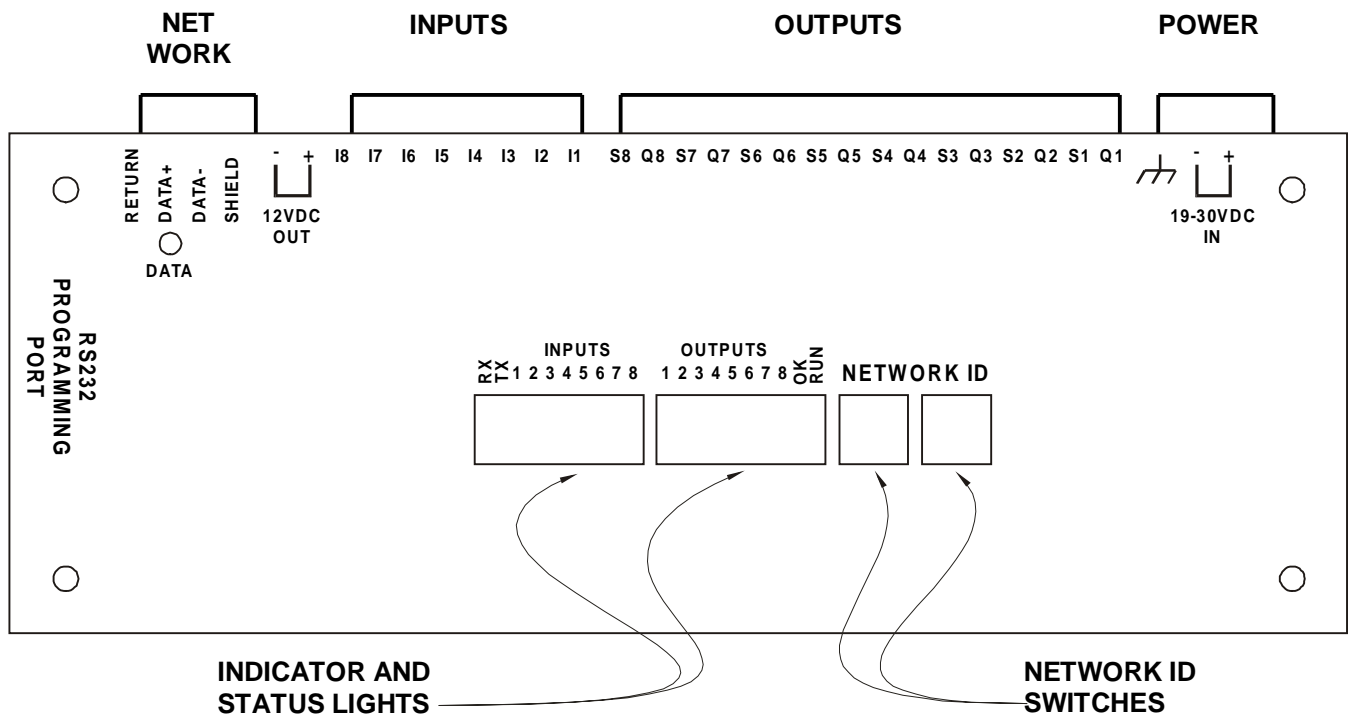


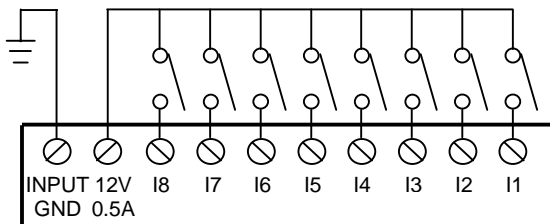
1 DESCRIPTION

1.1 The HE200CCU300 is a self-contained PLC featuring eight (8) voltage-driven inputs and eight (8) Open Collector outputs. Network communications are through the CsCAN protocol. Device programming is accomplished using a separate Personal Computer attached to the CCU300's RS-232 Programming Port or through the CAN port.



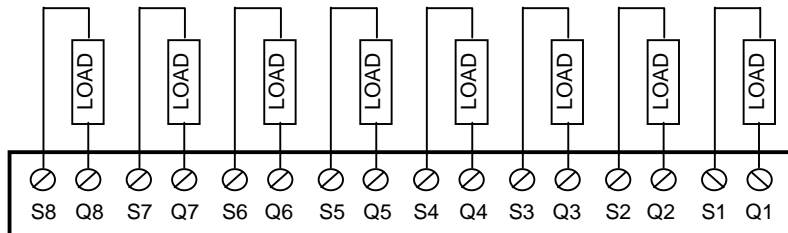
2 INSTALLATION

2.1 Inputs

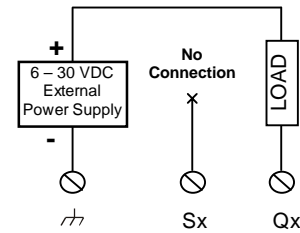


INPUTS:
 <3 Volts = OFF
 >7 volts = ON (+30 Volts Maximum Input)
 Current = 1 mA max @ 7 V

2.2 Outputs

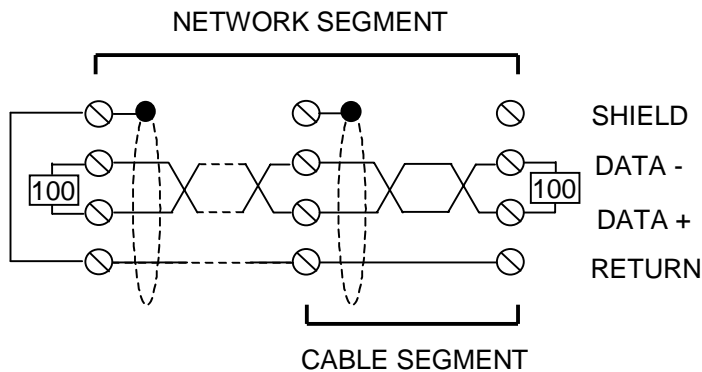


Open Collector Outputs, Active LOW. Sink is 500 mA maximum, current limited, and suitable for driving inductive loads.



Alternate output connection using external power supply

2.3 Network



Required Termination:

100Ω Resistor between DATA+ and DATA- at each end of each Network Segment.

2.3.1 A *CABLE SEGMENT* connects two nodes together. Each Cable Segment's shield drain wire should be connected to the node's SHIELD terminal at *one end only*. A *NETWORK SEGMENT* may be up to 1500 feet long, and connects up to 64 nodes together (using 63 Cable Segments). The RETURN terminal should be connected to the SHIELD terminal, on one node only, in each Network Segment. Up to 4 Network Segments may be connected together on a CsCAN network (using 3 CAN repeaters) with a total maximum of 253 nodes.

3 SPECIFICATIONS

Description	Specification
Protocols Supported	CsCAN
Network Baud Rate	125 Kbaud
Inputs	Eight (8)
Outputs	Eight (8)

	Voltage Specification	Maximum Current
Power Source	19 – 30 VDC	4.75A (Full Load) .25A (No Load)
Digital Output Power (S1-S8)	18.1- 29.1 VDC	0.5A x 8 = 4.0A
Accessory Output Power	12VDC	0.5A

4 TECHNICAL ASSISTANCE

4.1 For user manual updates, contact Horner APG, LLC., Technical Support Division, at (317) 916-4274 or visit our website at www.heapg.com.