

Model 80X0E-SI RFID Reader & Interface

- **PLC Enabled Single Piece RFID Reader Solution**
- **DeviceNet, Ethernet/IP, Profibus, Modbus TCP & RTU, TCPIP and RS232**
- **Forgiving 8vdc to 28vdc input**

The 80X0E-SI series RFID PLC Interfaces, available in both 125 KHz and with RFID, Inc.'s legacy 148 KHz product lines, incorporate an RFID Reader to offer a single piece solution (photo'd below) delivering PLC protocols as well as serial and Ethernet communications. Alternatively, a larger Antenna can be externally cabled to enable a 2 piece solution offering greater read and write ranges.



14100 E. Jewell Avenue • Suite 12 • Aurora, CO 80012

p 303-366-1234 x101 • f 303-366-1222 • Web: www.rfidinc.com • email: info@rfidinc.com ver. 3/10

SPECIFICATIONS & DATA SHEET

Model 80X0E-SI RFID Reader & Interface

Operating Frequency:	125 KHz or 148 KHz +/- 6 KHz
Power input:	8VDC-28VDC
Current draw:	100mA Typ 150mA Max.
Read Range:	Up to 8 nches (20 cm) with internal Antenna Up to 20 inches (51 cm) with externally cabled Antenna See read range matrix page 9 of 125 KHz (green) data sheet
Read Write:	Yes (or read only)
Data Storage:	256 RW/W bits formatted into 8, 16, 32 bytes or 2k bits (RS232 & TCPIP) 8 or 16 bytes for DeviceNet, EIP, Profibus, Modbus
Operating Modes:	Direct single Tag reporting Direct multiple Tag reporting Polling of Tag data
Connections:	RJ45, 9 pin DSub, M12 or twisted pair bare wiring
Storage Temperature:	-40° C to 85° C (xx° F)
Operating Temperature:	-40° C to 55° C (xx° F)
Weight:	7.2 ounces (200 grams)
Housing:	NEMA 4X with clear lid for easy diagnostics
Measurements:	4.5" x 2.5" x 2.1875"
Connections:	RJ45 Ethernet, 9 pin serial, 5 pin M12, or pigtail twisted pair wiring
Color:	Grey with clear lid
Approvals:	FCC, CE

Model Number	Part Number	Description
8040E-SI	800-7500-xxSIxx	Allen Bradley Ethernet/IP
8050E-SI	800-7501-xxSIxx	TCPIP Ethernet & Serial RS232
8060E-SI	800-7502-xxSIxx	DeviceNet
8070E-SI	800-7503-xxSIxx	Profibus
8080E-SI	800-7504-xxSIxx	Modbus/TCP
8085E-SI	800-7505-xxSIxx	Modbus/RTU



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