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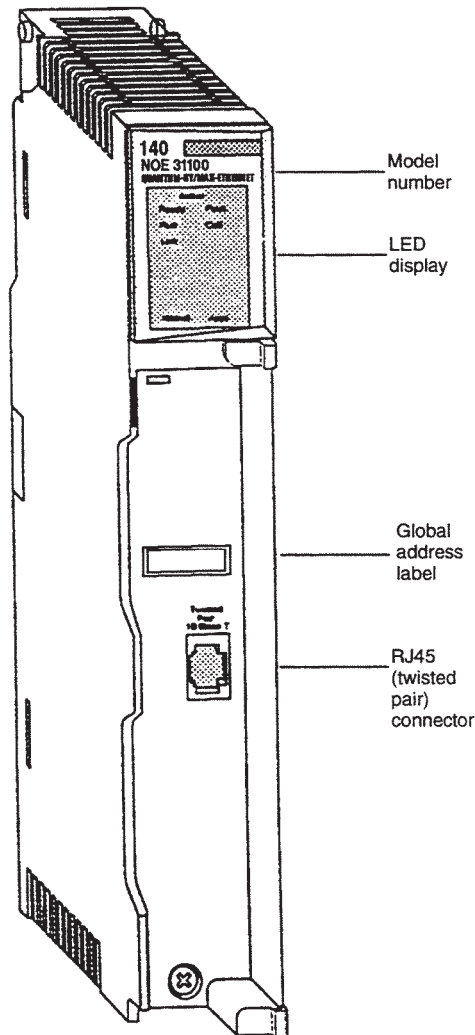
Quantum-SY/MAX[®]-Ethernet

Network Option Module



■ Modicon ■ Square D ■ Telemecanique

Publication # 042512116 Version 1.0



⚠ CAUTION

UNINTENTIONAL EQUIPMENT OPERATION

Be sure that the module is assigned a unique SY/MAX drop number during configuration. (See the *QSE Module User Guide*, Publication #840 USE 111 00.)

Failure to observe this precaution can cause severe injury or equipment damage.

Notes: For Quantum connectivity to a SY/MAX 802.3 device, such as the Model 650 controller or the SFI610, you must install a twisted pair-to-BNC translator.

QSE uses IEEE 802.3 framing for communication.

To install the module:

1. Mount the module at an angle onto the two hooks near the top of the backplane.
2. Swing the module down to make an electrical connection with the backplane.
3. Tighten the screw at the bottom of the module to fasten it to the backplane.
4. Insert the cable into the connector. When firmly connected, it will snap into place.

For the Ethernet module to work properly, be sure you are using the versions specified (or a later version) of the following components:

	Quantum PLC Executive	QSE Executive	Modsoft
Version	2.0 or higher	1.0 or higher	2.3 or higher

Default configuration values must be changed before the module can be used in a network. During configuration, be sure that:

- PLC Type is **Quantum**
- The Configuration Extension Size is set to at least **104**
- **Slot number** should match the Quantum backplane slot that the module is in
- The User Preferences File (UPF) is set up; in the **Miscellaneous Selections** dialog box, be sure that the **Yes** option under **Using SY/MAX S908 I/O** is selected.

Before operation, reset the QSE module by power-cycling or by using a MSTR block (opcode 10).



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Specifications

Comm. Ports	One RJ45 twisted-pair port transmits and receives SY/MAX 802.3 messages.
Power Dissipation	5 W
Bus Current Required	1A
Operating Conditions	
Temperature	0-60°C
Humidity	0-95% Rh, non-condensing @ 60°C
Altitude	15,000 ft (4500 m)
Vibration	10-57 Hz @ 0.0075 mm d.a. 57-150 Hz @ 1 g
Storage Conditions	
Temperature	-40 to +85°C
Humidity	0-95% Rh, non-condensing @ 60°C
Free Fall	1 m unpackaged
Shock	3 shocks / axis, 15 g, 11 ms

For complete information concerning this and other modules, please obtain copies of the *Quantum-SY/MAX-Ethernet (QSE) Module User Guide* (840 USE 111 00), the *Modicon Ladder Logic Block Library User Guide* (840 USE 101 00), and the *Quantum Automation Series Hardware Reference Guide* (840 USE 100 00) from your distributor or local Square D office.

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Quantum Automation Series equipment is protected by U.S. Patent number 5,302,136, and by European Patent number 93202982.0-.