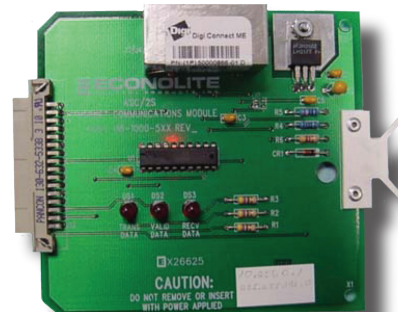


ASC/2S Series NEMA TS2 Actuated Controllers Ethernet Communications Module



Description

The Ethernet Communications Module is a plug-in card for the ASC/2S series NEMA Actuated Traffic Controller. It provides an Ethernet Version 2.0/IEEE 802.3 compliant 10/100 Base-T Auto-Sensing Ethernet port on the ASC/2S series controller for use with advanced systems communications, utilizing the NTCIP communications protocol. The card is used with the ASC/2S Controller Standard Port 3 communications and occupies the Port 3 slot on the controller. An industry standard RJ-45 type connector located adjacent to the NEMA Port 3 connector on the controller completes the interface.

The module is based on a Terminal Serve device to make setup and configuration of both the controller and module as simple as possible. The card comes pre-configured from the factory with a unique private IP address in the 10.255.XXX.XXX series and a Class-B subnet (255.255.0.0). The serial interface on the device is preset to operate with the ASC/2S series controller at 19200 BPS, 8N1, without flow control.

Five diagnostic/status LED indicators are included to simplify and expedite troubleshooting of the field communications network. Two indicators are used for the network LINK and activity. Three of the indicators are used for the serial side to indicate *Receive Data*, *Valid Receive Data*, and *Transmit Data*. In combination, these indicators provide the technician with a quick and easy means of diagnosing both network configuration problems and hardware fault isolation.

Configuration and programming of the Ethernet module are done through a built-in web interface. Standard web browsers such as Internet Explorer and Netscape Navigator provide full access to the device for all functions.

Features

- Exceeds NEMA TS2 and TS1 requirements
- Ethernet Version 2.0/IEEE 802.3 compliant 10/100 Base-T Auto-Sensing
- Static IP or DHCP Configuration
- Factory pre-configured with a unique private IP address and Class-B subnet
- Field-upgradeable firmware via HTTP
- Configuration and management through Simple Network Management Protocol (SNMP) (read and write)
- Strong SSL V3.0/TLS V1.0 based encryption (DES, 3DES, AES)
- 32-bit NET+ARM RISC Processor (55 MHz)
- 5 Status/Diagnostic LED indicators

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