

LAN Controller Card

Utilizing your local area network for PressureMAP / 289H LSS communications

One of the most significant 289H LSS™ developments to come along in recent years has been the design of the LAN Controller Card (Part No. 9800-0030). This component opens the door for two-way communications between PressureMAP™ and the 289H LSS and 289H-M LSS™ monitors over a local area network (LAN).

The card is equipped with a LAN module, which replaces the modem circuitry on the original 289H Controller Card. The module draws its power directly from the card's 5 VDC power supply. Surge and over-voltage protection for the 289H's measurement circuit provide additional improvements that were not included on the original 289H Controller Card. The LAN Controller Card has an RS-232 serial port connector that is used during setup. When configuring the LAN Controller Card for a specific network, a straight DB9 male to female serial cable is used to connect the card to a PC terminal or laptop computer.

Upon power up, a LAN Controller user interface displays simple instructions to prompt the user to enter the Setup Menu where the required local IP Address, Subnet Mask, Gateway Address and Port Number can be defined.

When exiting the Setup Menu, the user interface instructs the user to configure the system for the Running Mode. This consists simply of setting two configuration dip switches on the 289H LAN Controller Card to the run mode, placing a network cable between the RJ-45 connector on the LAN Controller card and the Host Ethernet port, and rebooting the 289H or 289H-M monitor. At this point the LAN Controller is ready to communicate with the remote Host Ethernet port.

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Specifications

Power: -48 volts DC from 289H LSS chassis

On Board Cable Connections: One RJ-45 network connector; one RS-232 / DB-9 F connector

Required Cables:

- Cat. 5 Ethernet cable (not supplied)
- DB9 F/M Straight Cable (supplied). Used to connect LAN Controller card's serial port socket to COM1 port on PC for initial configuration

Baudrate: 9600bps

Ethernet: 10 Base-T

Protocol: TCP/IP

Setup Requirements: On-board 2-position Dip Switches for default setup mode, run mode and serial mode Menu-driven IP Address configuration procedure

Warranty: 1 year

