



Caddx Network Module

Ethernet Communication

Overview

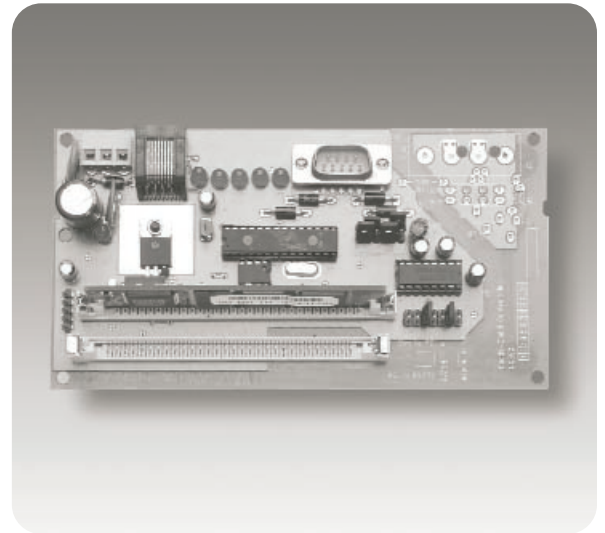
The NX-590E Network Module brings new functionality to the world of controls with Ethernet connectivity to your central station. Working in conjunction with the Osborne-Hoffman Network Receiver, a direct pipe is established into your current automation.

Outstanding Features

The NX-590E can send events to two IP address for dual, split, or backup reporting. Events may also be sent to two e-mail addresses. The NX controls can also be configured for dial or cellular backup should network communication fail.

Triple-DES encryption is used to protect data from being compromised. To further enhance network security, a dynamic KEY generation is employed with a new 24-Bytes random number generated for every event.

The NX-590E also offers the choice of static IP, where the IP addresses are fixed and assigned by IS department; or DHCP, where a pool of IP addresses is assigned by a server to units on the network and IP addresses here can and do change. Either way all functions are programmable via keypad or DL900 upload/download software.



NX-590E

Standard Features

- Up to 10,000 NX-590E's can be monitored on the Osborne-Hoffman Network Receiver
- Backwards compatible to all NetworX controls and resides in a 6-inch slot in the control cabinet
- Provides 10BT Ethernet connectivity with TCP/IP
- Video tagging on all events sent to Kalatel's DVMRE digital recorder and multiplexer to be stored with video on hard drive
- On-site or remote initiated download using DL900 software
- Code updates for the NX-590E can be downloaded and flashed into modules over network
- Uses SIA or Contact ID reporting formats
- User selectable polling time for full supervision
- Low current draw of 90 mA in standby and 120 mA during communication at 12 VDC from NX control
- Small bandwidth used with typical message 20 bytes
- Embedded web server with application links into NX control (available soon)
- PPP connectivity via onboard optional 2400 baud or user supplied modem (available soon)