

Description

The NC-SCHED network scheduler is a communication module that performs two main functions. It converts the Modbus TCP/IP (Ethernet) communication protocol to the serial Modbus RTU (RS485) protocol, allowing a user to visualize and configure an entire ProLon system via the internet. It also transmits the occupancy status to any ProLon controller on the network. The schedules and calendars are fully configurable locally or remotely with the free ProLon Focus software.



Advantages

- Modbus TCP/IP to Modbus RTU converter
- Internal clock with configurable schedules and calendars
- Local or remote visualization and configuration with the FREE ProLon Focus Software
- Stores up to 16 weekly schedules and 16 annual calendars
- Transmits the schedule of your choice to up to 120 nodes
- Static IP address or DHCP
- Automated and configurable daylight savings time
- Temporary schedule override through the software
- Power stored in the on-board super-capacitor keeps precise time for 10 days and recharges in a matter of seconds

Technical Specifications

Supply: 24 VAC $\pm 10\%$, 50/60 Hz

Consumption: 2 VA max

Indication lights (LED): State of communication ports / Supply / Microprocessor state

Microprocessor: SyncMOS SM5964, 8 bits, 22 MHz, 64Ko FLASH memory

Battery: Super-capacitor 0.5F, keeps precise time for 10 days

Communication:

- Modbus TCP/IP (Static IP address or DHCP)
- Modbus RTU (RS232)
- Modbus RTU (RS485), up to 120 nodes

Baud rate: 9600, 19200, 38400, 57600, 115200

Connection: Removable screw-type terminal blocks (16 AWG max), modular RJ45 jack, DB9 connector

Dimensions: 120 mm x 115 mm (4.75" x 4.5")

Environment: 0-50 deg C (32-122 deg F)