

## TP-NM-R-EM-D

*NetMaster Network Manager with Energy Monitoring for residential solutions*



The TP-NM-R-EM-D NetMaster provides network management within residential control applications when used alongside Titan BACnet residential controllers and user interfaces.

The NetMaster handles all time scheduling for comfort control and water treatment routines, secure links for remote control applications, and communication links to 3rd party IP systems or BMS, creating a powerful residential solution for comfort control and energy monitoring solutions.

The TP-NM-R-EM-D supports all the functionality of the TP-NM-R-D and adds a second RS485 port to the platform dedicated for Modbus RTU or BACnet MS/TP metering devices and is supplied complete with the Energy Monitoring software module to provide a complete Smart Metering interface solution.

The NetMaster is simple to install and setup via the internal web server.

## SPECIFICATION

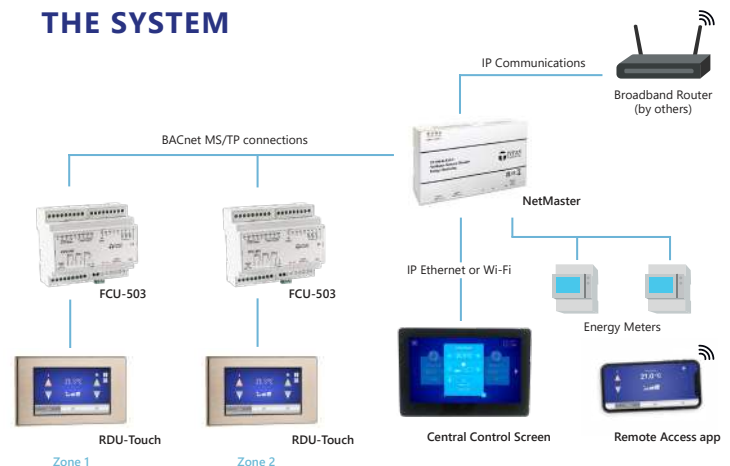
Power Supply	24V AC/DC +/-10%
Power Consumption	0.5A @ 24VAC/DC
Connections	2 x RJ45 10/100 Mbps shielded Fast-Ethernet Port 2 x serial port EIA-485 BACnet MS/TP / Modbus RTU 1 x USB (OTG) used for production programming
LED Indication	RS485 Tx/Rx Power LED
Network Bias Resistors	560 Ohms (DIP Switch)
Termination Resistor	120 Ohms (DIP Switch)
Operating Temperature	5 – 40°C
Operating Humidity	20 – 80% RH Non-condensing
Operating System	Linux
IP Rating	IP20
Enclosure Plastic Rating	UL94-VO
Mounting	DIN Rail
Dimensions	160 (w) x 90 (h) x 32 (d) mm
Country of Origin	UK
Product Code	TP-NM-R-EM-D



## KEY FEATURES

- Fully compatible with FCU-503 and MZ-503 controllers
- Fully compatible with CCS-7 user interface
- Secure Remote Access App support
- Network Manager for time schedule
- Optimised Start routines
- Energy Monitoring interface
- BACnet MS/TP and Modbus RTU to BACnet/IP Routing
- Embedded web server for setup
- Backup and restore capabilities for connected devices
- BACnet Broadcast Management Device (BBMD) Support
- Foreign Device Registration (FDR) Support

## THE SYSTEM



For install and setup information please view the relevant guides available at [www.titanproducts.com](http://www.titanproducts.com)