Simplify the Complex®

NETMASTER NETWORK MANAGER
FOR COMMERCIAL SOLUTIONS

TP-NM-C-D FEATURES

- Network management of time scheduling, water treatment routines, mapping, alarming & trending
- Native BACnet MS/TP, Modbus RTU, BACnet/IP and MQTT communications
- Embedded web server for setup
- Embedded email support for alarming and reports

Designed from the ground up using open BACnet, Modbus, IP and MQTT communications for both building and cloud communications, the TP-NM-C-D NetMaster provides a full feature set for powerful network management.
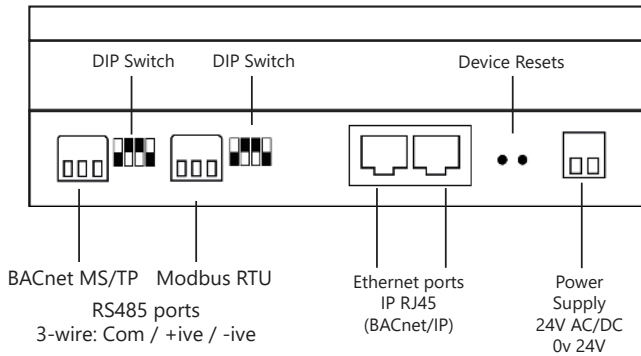
Combining the TP-NM-C-D with Titan FCU controllers, networkable sensors, smart IO and user interfaces provides a comprehensive and complete commercial control and monitoring solution.

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 programing
LED Indication	RS485 Tx/Rx Power LED
Network Bias Resistors	560 Ohms (DIP Switch)
Termination Resistor	120 Ohms (DIP Switch)
Operating Temperature	5 – 50°C
Operating Humidity	20 – 80% RH Non-condensing
Operating System	Linux
IP Rating	IP20
Enclosure Plastic Rating	UL94-VO
Mounting	DIN Rail
Dimensions	159 (w) x 90 (h) x 58 (d) mm
Country of Origin	UK
Product Code	TP-NM-C-D

CONNECTIONS

DIP Switch   DIP Switch   Device Resets

BACnet MS/TP   Modbus RTU
RS485 ports   Ethernet ports   Power
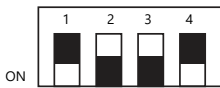3-wire: Com / +ive / -ive   IP RJ45   Supply
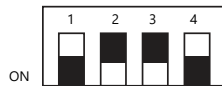(BACnet/IP)   24V AC/DC
0v 24V

DIP SWITCH SETTINGS

Each RS485 port has a dedicated 4-way DIP switch that is used to terminate and bias the network.

To Terminate the MSTP network with 120R
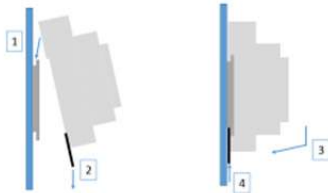resistor, switches 2&3 should be on (down)

To apply Bias to the MSTP network,
switches 1&4 should be on (down)

MOUNTING & INSTALL

The NetMaster product must installed by a competent and suitably qualified person in a location/enclosure suitable to provide protection to the device and network from unauthorized access/tampering that could lead to reduced network security.
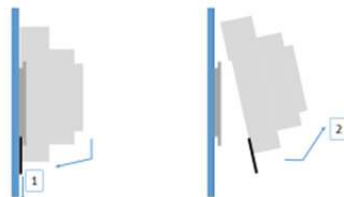
Fixing to DIN rail

1. Fix top clips over DIN rail
2. Pull down bottom clips using screwdriver
3. Close controller towards DIN rail
4. Push up bottom clip to fix securly to DIN rail

Must be mounted horizontally

Removing from
DIN rail

1. Pull down bottom clip with
screwdriver
2. Lift controller away from DIN
rail

COMMISSIONING

The setup screens are accessed through a web browser once the TP-NM-C-D is connected to the same local IP network. Enter the IP address (192.168.1.151 default) into the URL address bar within a web browser and when prompted enter the user name and password:
Default user name: admin
Default password: admin

At first login, you will be prompted to change the password. This is mandatory.

Full commissioning details can be found in the manual - contact Titan Products for this.

For further install and setup information please contact technical@titanproducts.com

TITAN
P R O D U C T S