

## MULTI-ZONE HEATING CONTROLLER

### MZ-503 FEATURES

- Designed for under floor and radiant heating applications
- Up to 4 zones of independent heating control
- High Temperature floor protection settings when used for UFH applications
- Setback / Frost protection settings
- Common heat enable output with delay option
- 8 x Temperature inputs options
- Fully compatible with Titan Touch-7, Touch-4 and Rotary user interfaces (requires NetMaster)

Designed for under floor heating (UFH) and radiant heating applications, the MZ-503 provides heating control for up to 4 independent zones and can be used as stand-alone solution or within larger networked solutions via native BACnet MS/TP communications.

Each heating zone control loop can be allocated a control output, a control sensor input and a high limit floor sensor input if required for UFH applications.

A common enable for plant such as HIUs, Boilers or Heat Pumps is provided along with setback and frost options as standard.

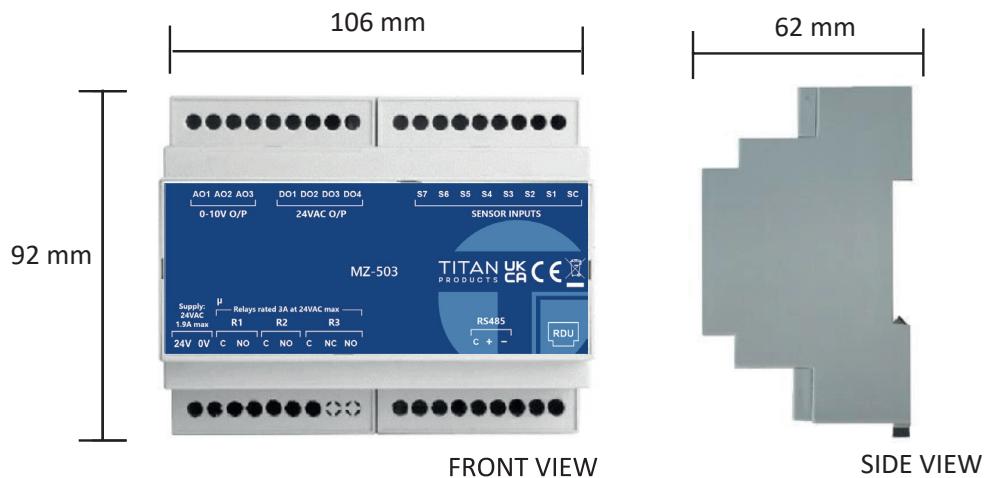
When combined with a Titan TP-NM-R-D or TP-NM-C-D NetMaster and the Touch-7 multi-zone interface, a flexible and scalable heating solution can be created for many applications across commercial, residential, public-sector buildings.

### SPECIFICATION

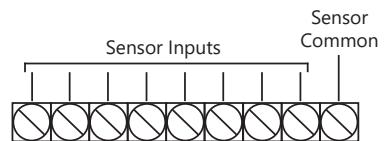
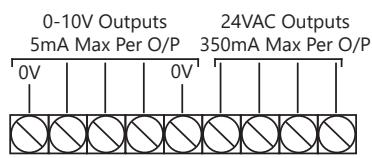
Power Supply	24V AC/DC +/-10%
Power Consumption	400mA excludes outputs @ 24V
Inputs/Outputs	4 x Digital Outputs 3 x Analogue Outputs 2 x Relay Outputs 7 x 10K3A1 Temperature Inputs 1 x RDU Temperature Sensor
24VAC Digital Outputs	350mA max
0-10V Analogue Outputs	5mA max
Relay Outputs	3amp at 24V
Temperature Inputs	10K3A1
Communications	BACnet MS/TP (RS485)
Indication	Tx/Rx
Operating Temperature	5– 40°C
Operating Humidity	20 – 80% RH Non-condensing
IP Rating	IP20
Mounting	DIN Rail
Dimensions	106 (w) x 92 (h) x 62 (d) mm
Country of Origin	UK
Product Code	MZ-503



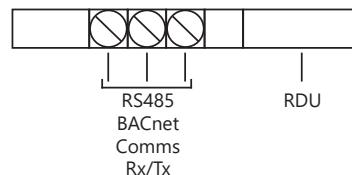
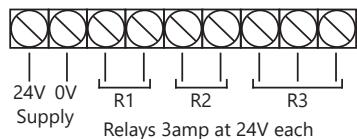
## DIMENSIONS



## CONNECTIONS



Note:  
24VAC Outputs to be referenced to supply 0V



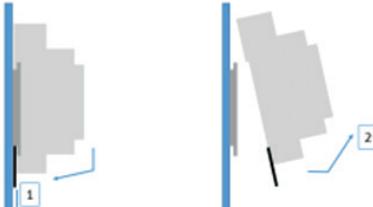
## MOUNTING

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 securely to DIN rail

Removing from DIN rail



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

Must be mounted horizontally

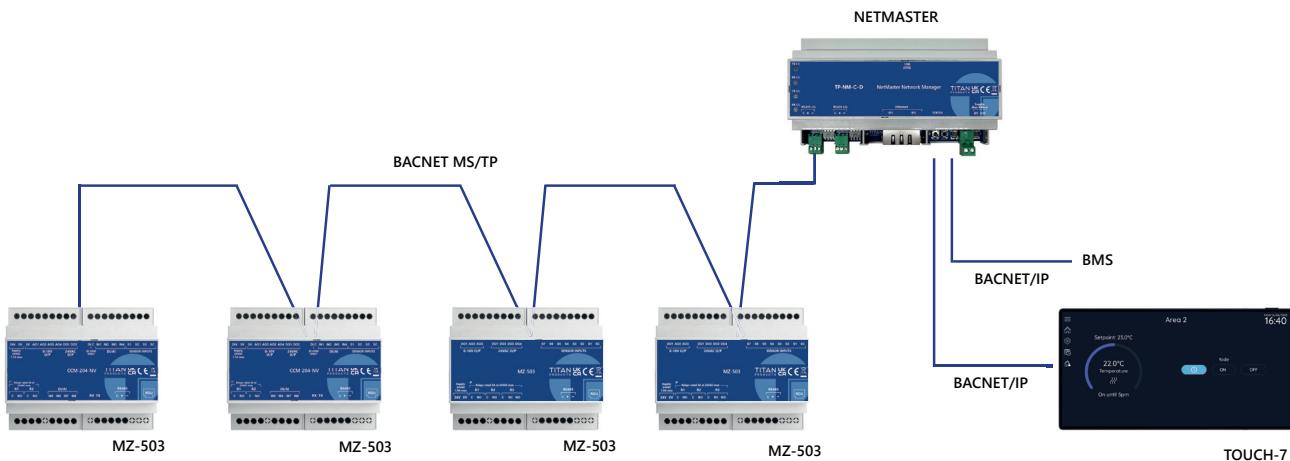
*This product must be installed by competent and suitably qualified person and mounted in an enclosure rated for the intended environment.*

For install and setup information please contact [technical@titanproducts.com](mailto:technical@titanproducts.com)

## CONFIGURATION OPTIONS

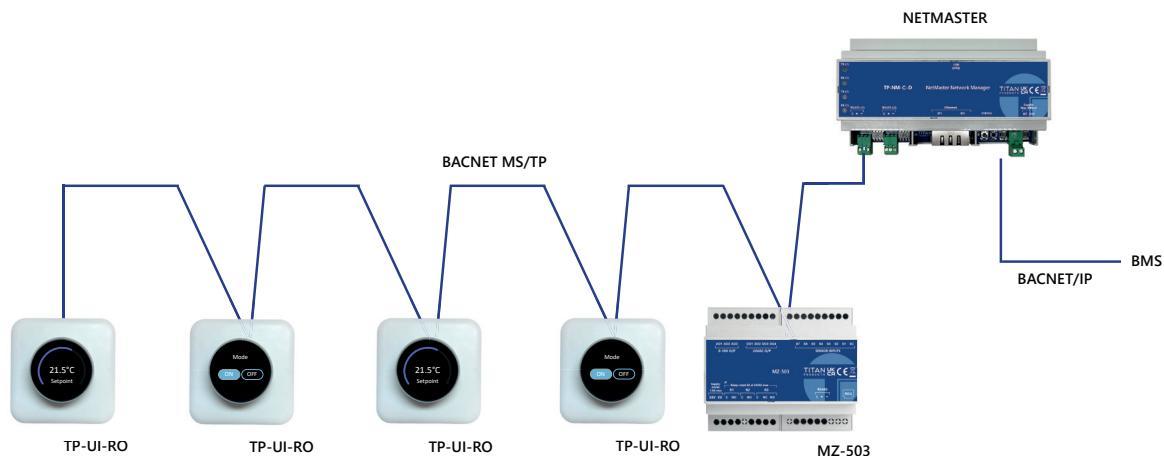
### CENTRAL INTERFACE SOLUTION (USING THE TOUCH-7)

UP TO 32 MS/TP DEVICES PER NETMASTER, PROVIDING UP TO 128 ZONES



### MULTIPLE ZONAL INTERFACE SOLUTION (USING THE ROTARY)

UP TO 4 ROTARY INTERFACES PER MZ-503 CONTROLLER



For install and setup information please contact [technical@titanproducts.com](mailto:technical@titanproducts.com)