



RESIDENTIAL SOLUTION



Simplify the complex™

At Titan we simplify the complex™ to help our customers create smart residential spaces promoting comfort, energy efficiency, smart metering and user experience.

From concept to project completion, we work with you at every step to provide a market leading solution



Central Control Screen Features

- Adjust temperature and control mode for each zone from a central location
- Set flexible time schedules in seconds for any zone
- Set up holiday dates
- Wi-Fi or wired IP communication solutions
- Branded screens available
- Wall mounted

CENTRAL CONTROL SCREEN

Delivers a complete comfort control interface to all zones within a property from a single location. This allows the user to effortlessly select different setpoints, control modes and time schedules for each room, providing ultimate flexibility and integration of the heating and cooling systems.



FLEXIBLE ZONAL COMFORT CONTROL AND TIME SCHEDULING

- Set temperatures & control modes for each zone
- Set time schedules for each zone
- Multiple time scheduling events for each day
- Set holiday off time periods, with frost protection and temperature limit options



ENERGY MONITORING

Adding the Energy Monitoring module provides both comfort control adjustment and smart metering capabilities from a single user interface, significantly reducing hardware and installation costs, while providing an excellent user experience via a fully integrated and feature rich combined comfort control and energy monitoring solution.



ROOM DISPLAY UNIT

Offering high quality material finishes along with an attractive and intuitive touch screen interface, the RDU-Touch is the perfect tool for setting the temperature comfort conditions and control modes within the zone.

The RDU-Touch is the perfect partner to the Central Control Screen adding zonal control in any space within the property.

RDU-Touch Features

- Fully capacitive touch screen
- Set zonal room comfort conditions
- Inbuilt temperature sensor to reduce field wiring
- Branding options available
- Range of finishes available to suit project requirements
- RAL matching on surrounds available



THE CONTROLLERS

The energy efficient room control is performed via the Titan Products controllers. The application specific FCU-503 or MZ-503 holds all the control logic for the room, and offers:

- Zonal control for fan coil and UFH applications
- Bathroom UFH & towel rail control
- Multizone UFH control

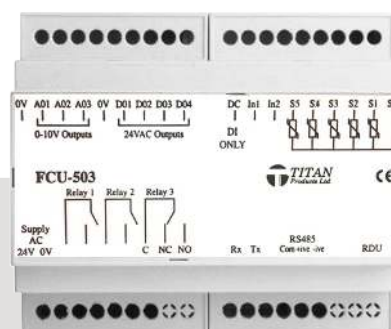
Providing a fully integrated solution the FCU-503 allows both the underfloor and fan coil systems to be controlled from a single system. This can not only significantly reduce the cost of the project as separate systems are no longer required, but also significantly reduce energy costs to the end user.

The FCU-503 also has the ability to control a second, completely independent underfloor heating zone. This is designed for spaces such as ensembles or dressing areas adjacent to the main controlled space.

The MZ-503 is designed for use where multiple UFH only zones exist, and can control up to 4 x UFH zones independently.

FCU-503 Features

- BACnet MS/TP communications
- Fully integrated heating and cooling control
- Flexible fan, heating and cooling control
- Inbuilt underfloor heating control option
- System / Valve flush regimes as standard
- Frost and High Temperature protection settings
- Master / Slave functionality



NETMASTER NETWORK MANAGER

The TP-NM-R-D NetMaster provides network management within residential control applications when used alongside Titan BACnet residential controllers and user interfaces. It holds and manages the time schedule set via the Central Control Screen and exposes all connected data points from the apartment network over BACnet/IP for integration to the BMS.

The TP-NM-R-EM-D Energy Monitoring NetMaster 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.



NetMaster Features

- Native BACnet MS/TP and IP communications
- Simple set up via HTML5 web pages
- Allows integration to BMS, audio/visual and lighting systems
- Enables Remote Access capabilities for Titan App integration.
- Provides Optimised Start feature
- Acts as a BACnet and Modbus Network Router

THE COMPLETE SYSTEM

USER INTERFACES

CCS • RDU-TOUCH

BACNET CONTROLLERS

FCU-503 • MZ-503

NETWORK MANAGER

TP-NM-R-D • TP-NM-R-EM-D

REMOTE ACCESS APP

TITAN REMOTE ACCESS

