

# Advanced Comfort Control

From Titan Products Ltd



In today's modern world where style is paramount, energy efficiency is vital and there is real demand for networked and integrated systems, the comfort control systems from Titan Products will cater for your every need.

Bringing together intelligent communications, seamless control, remote access and stylish user interfaces, Titan Products have developed a system that offers a complete solution for any development.





# Introducing the Central Control Screen

The 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.

Available in 7 and 10 inch screen sizes, the Central Control Screen communicates to the Titan NetMaster 2000 which in turn communicates to all FCU-503 comfort controllers on the network allowing each room to benefit from energy efficient and accurate control. Synchronisation of all room control and user interfaces is seamless via the native BACnet communications utilised by the system.

## 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

## Flexible Zonal Control and Time Scheduling



### Time Scheduling Features:

- Set different time schedules for each zone
- Set different temperatures for each time schedule event
- Multiple time scheduling events for each day
- Set holiday off time periods, with frost protection and temperature limit options



## The RDU-Touch Zonal Interface

The RDU-Touch is the latest generation of high end comfort control zonal interfaces from Titan Products. 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 room.

Control modes can easily be altered between Auto, Heat only, Cool only and Off at a touch of the screen while the occupant can effortlessly adjust the temperature setpoint and fan speeds within each room. An integrated temperature sensor can also be supplied on the RDU-Touch to remove the need for remote room temperature sensors, saving in install costs.

The RDU-Touch surround is also available in a number of luxurious finishes with options to match the surround to any RAL colour to ensure the RDU-Touch matches your project colour scheme.

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 local room comfort conditions
- Ability to set a second independent underfloor heating zone
- POE type connection from FCU-503 for quick and simple installation
- Inbuilt temperature sensor to reduce field wiring
- Branding options available
- Range of finishes available to suit project requirements
- RAL matching on surrounds available
- Fully supports Titan Multi-drop
- Time scheduling interface options (if not using Central Control Screen or Remote Access App)



## Remote Access

The Titan Products app caters for remote access when used in conjunction with the FCU-503 controllers and NetMaster 2000.

Downloaded via the Apple App Store for iOS devices or the Google Play Store for Android devices, the intuitive app allows the user to:

- Select their control zone and alter the control settings from inside or outside of the property.
- Setup & save flexible time schedules which can control individual rooms to alternative temperatures at different times of day.

The Remote Access app presents the user with a replica RDU-Touch screen for each controlled zone in the property. Fully synchronised with the on-wall RDU-Touch and Central Control Screen, the app allows the user to adjust the control settings of each room without having to get up from their favourite TV programme and can be used while they are out of the home.

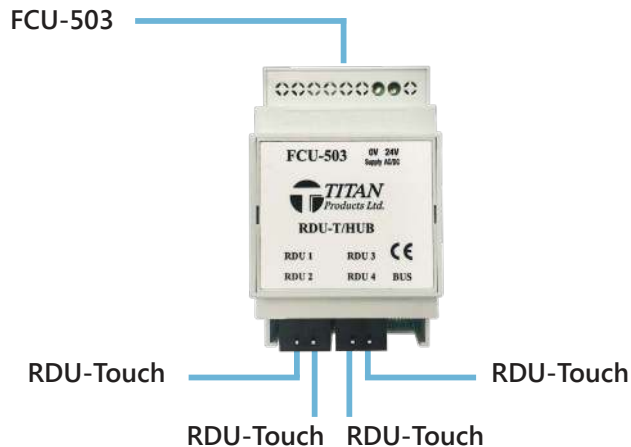
### Remote Access Features

- Dynamic user interface for all connected property zones
- Quick and easy naming of connected zones
- Adjust your comfort controls over Wi-Fi or mobile data connection
- Cloud based system architecture
- Flexible time scheduling
- Downloaded via the Apple App Store or the Google Play Store
- Compatible with iOS and Android devices



## Multi-Drop

Multi-drop offers the ability to connect up to four RDU-Touch user interfaces to one FCU-503 comfort controller. Perfect for open plan living areas or large spaces where multiple adjustment locations are desirable or for properties where more than one room is being controlled from a single controller.



### Multi-Drop Features

- Connect up to 4 x RDU-Touch units to one FCU-503 controller
- All connected RDU-Touch interfaces fully synchronised
- Plug and play setup via RJ45 connections
- No complicated wiring or programming for setup
- Options to average up to 4 x RDU-Touch inbuilt temperature sensors

By simply connecting the Titan RDU-Hub to your FCU-503 the ability to add up to four, fully synchronised RDU-Touch user interfaces opens up a number of control options while offering great potential for reduced install costs.

## The Controller

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

- Fan coil only applications
- Combined fan coil and underfloor heating applications
- Fan coil cooling, underfloor heating with combined fan coil boost heating applications

Providing a fully integrated solution from one controller allows both the underfloor and fan coil systems to be controlled without the two systems 'fighting'. 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 further reducing install costs. This is designed for spaces such as ensembles or dressing areas adjacent to the main controlled space.

### FCU-503 Features

- BACnet MS/TP communications
- Fully integrated heating and cooling control
- Flexible fan, heating and cooling control
- Backup & Restore compatible
- Inbuilt underfloor heating control option
- System / Valve flush regimes as standard
- Frost and High Temperature protection settings
- Master / Slave functionality
- Bespoke options for individual projects
- Fully compatible with Titan Products remote control app
- Fully compatible with Titan Products environmental sensors

## The Network

When using the Central Control Screen or Remote Access App the Titan NetMaster 2000 is used to administer all event handling and fully synchronise the system utilising native BACnet communications.

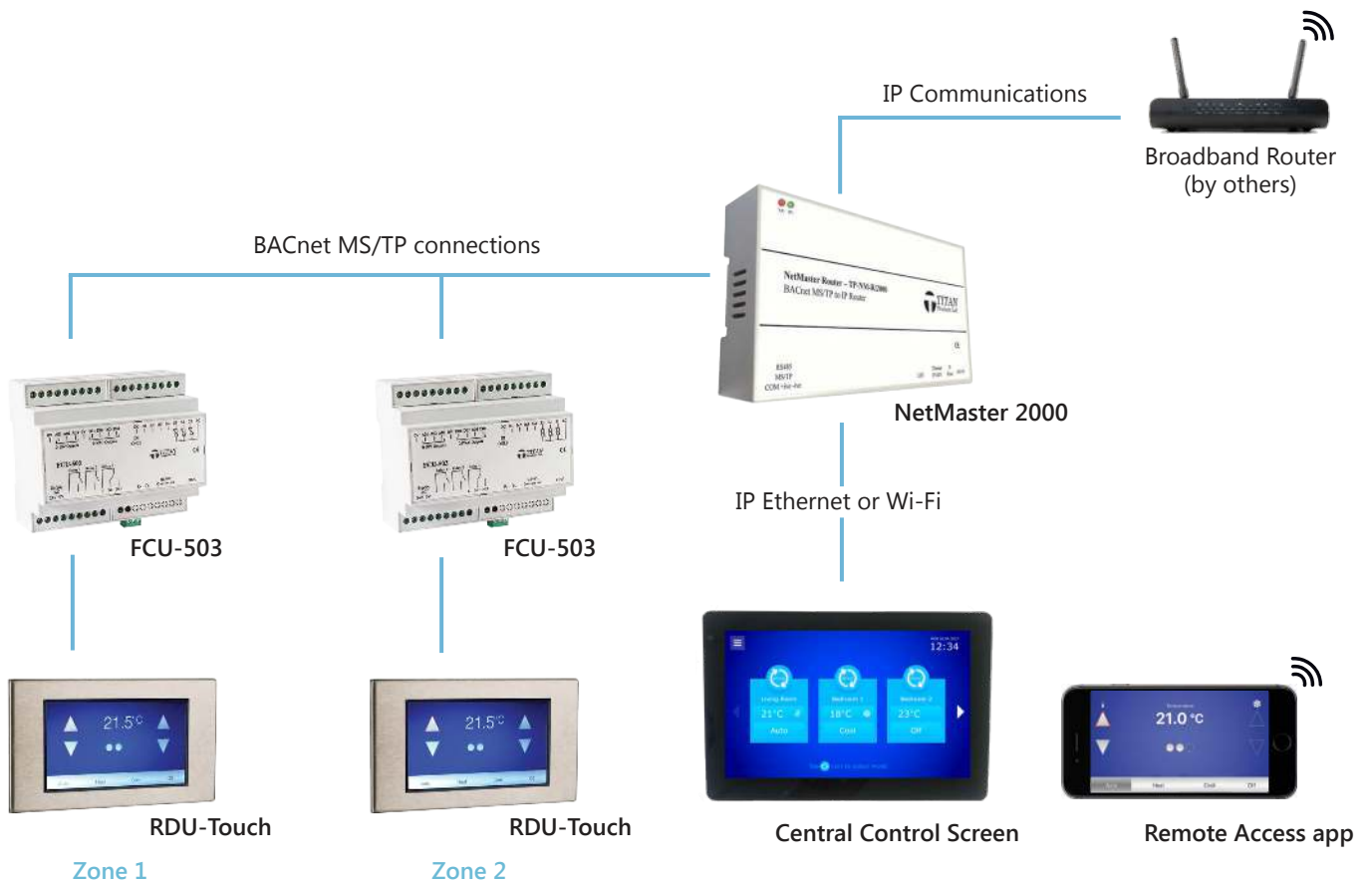
The NetMaster 2000 can also act as a IP Router to third party audio/visual and lighting systems.



### NetMaster 2000 Features

- Native BACnet MS/TP and IP communications
- Simple set up via HTML5 web pages
- Allows integration to audio/visual and lighting systems
- Allows integration on to property Building Management System (BMS)
- Flexible event and time scheduling
- Advanced security features

## The Complete System



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