



# Residential Comfort Control



# FROM CONCEPT TO COMPLETION

At Titan we design and develop our products and services to aid every stakeholder in the delivery of smart and efficient building control. From design, install and commissioning through to end user, facilities managers and building owners, every feature of the solution has been carefully selected and developed to add value to the users experience.



## CONSULTANT/DEVELOPER

Titan will work with you to develop the best possible control solution to meet building requirements. We will ensure the project is delivered as intended from day 1 with energy efficient comfort control, fully networked solutions, modern aesthetics and the best possible user experience.

## INSTALL

All hardware and software is designed to provide installers with the speed of install and insight they require to hand over to the commissioning team. We work with a team of partners who can provide a smooth and cost effective install.

## COMMISSIONING

Commissioning is made easy through Titan's ToolBox commissioning platform, with features such as auto discovery, flexible commissioning routines and the ability to copy profiles from product to product. ToolBox provides all the tools for quick and simple commissioning designed to minimise the amount of site time required.

## FACILITY & ASSET MANAGERS/ BUILDING OWNERS

IoT links, trending reports and smart alarming all allow the building managers and owners to have the best possible insights into the building's performance. Flexible integration options allow for this data to be served via on-premise BMS and IoT communication platforms.

## BUILDING OCCUPANTS

All solutions are designed to provide a first-class user experience to the occupant, along with the highest levels of energy efficient comfort control.



# Simplify the Complex<sup>®</sup>

At Titan we simplify the complex to help our customers create truly smart spaces promoting wellbeing, comfort and energy efficiency.

Through innovation and continuous investment in technology and people, our intelligent control solutions aid the delivery of smart buildings and create connected spaces.

Our Residential solution provides complete comfort control and energy monitoring via stylish user interfaces, energy efficiency control, network management and open communications for connectivity to building management systems (BMS) and cloud IoT solutions.




# Fully integrated multi-zone FCU control with underfloor heating options



**MULTI-ZONE CONTROL SCREEN**  
TP-UI-TS-7

**DISCREET TEMPERATURE SENSOR FOR CONTROL**



**APP CONTROL**

**TP-C-710R • NETMASTER**  
Can be supplied in pre-wired enclosures or controllers can be mounted directly to Fan Coil Units



**UFH LIMIT SENSOR**  
For floor protection

**INTEGRATED BATHROOM & TOWEL RAIL CONTROL**



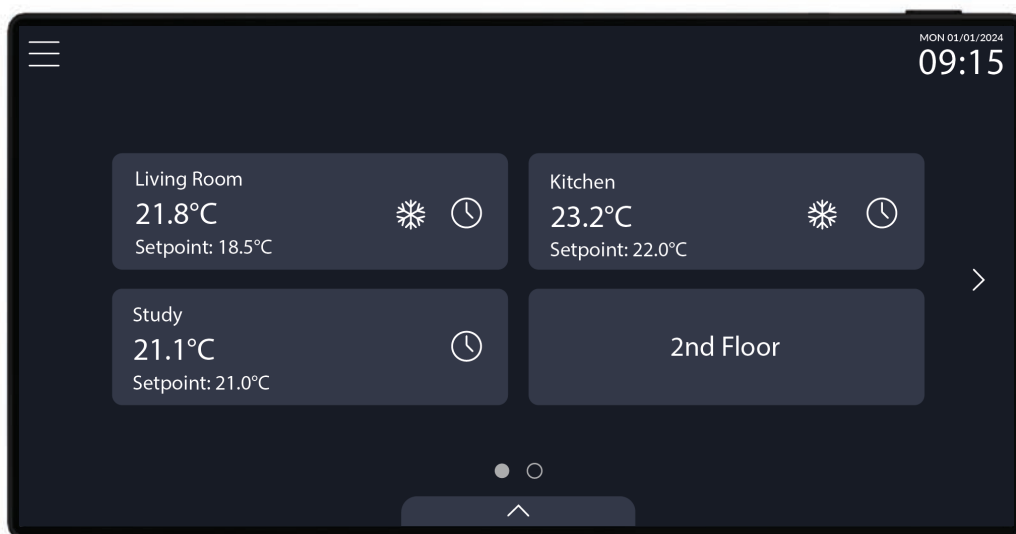
**ZONAL INTERFACE**  
TP-UI-TS-4

# Flexible User Interface Options: Central, Zonal and Remote

Titan understand the importance of user experience and provide a number of user interface options that all seamlessly integrate with each other.

## MULTI-ZONE CONTROL SCREEN

A centrally located comfort control interface, for all zones within a property.



**TP-UI-TS-7**  
7" Touch Screen Display

### KEY FEATURES:

Multi-room comfort control adjustment

2 x sensor inputs

Group & favourite zones for ease of navigation

Quick and simple install and setup

Proximity and ambient light level sensors adjust for optimum display levels

Mounts to single gang electrical back box

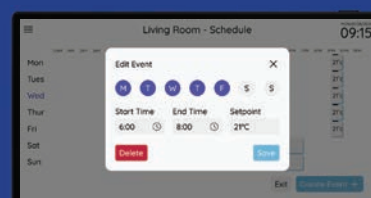
## COMFORT CONTROL

Multi-zone control adjustment allows the user to easily adjust control set points, modes and fan speed for any zone. The user can also set favourites and group zones for easy navigation.



## SET FLEXIBLE TIME SCHEDULES & HOLIDAY PERIODS

Allows the user to effortlessly set time schedules for each zone, providing ultimate flexibility and integration of the heating and cooling systems.



## ENERGY MONITORING

Smart Energy Monitoring option allows the user to view their current, predicted and historical energy usage and associated costs.



## LIGHT/DARK MODE

There are two choices of User Interface, either light mode or dark mode. Giving choice to the end user, they can easily select the preferred interface within the settings.



## ZONAL INTERFACE

Designed to work with the TP-C-710 controllers, the zonal 4" touch screen offers an intuitive, networked interface for effortless comfort control providing a setpoint, mode and fan speed adjust.

For added convenience, bathroom and towel rail control can be integrated seamlessly through the same interface.



Easy fan / mode adjustment



Option for second zone

### KEY FEATURES:

- 4" touch screen display
- 2x sensor inputs designed for control sensor and limit control options
- Second zone option, ideal for bathrooms
- Fully synchronised with the multi-zone 7" display
- Fully compatible with Titan's TP-710 controllers





## COMPANION APP

Titan Comfort - Home companion app allows control modes and comfort conditions to be adjusted via mobile phone and tablet devices.

The app pairs easily with the system allowing intuitive control of all zones from anywhere inside or outside the property.

### KEY FEATURES:

- Adjust comfort controls over WI-FI or mobile data connection
- Compatible with IOS and android devices

GET IT ON  
Google Play

Download on the  
App Store



# Controllers

Each zone is supplied with a dedicated energy efficient comfort controller. Providing fully integrated and combined heating and cooling control solutions, the residential comfort controllers cater for a wide range of applications that cover:

- 2-pipe fan coil control with heat / cool switchover
- 2-pipe fan coil cooling with underfloor heating
- 4-pipe fan coil cooling with heat boost and underfloor heating
- 4-pipe fan coil heat / cool control
- Up to 4 x UFH only zone control

With options for fabric protection, valve exercising, condensate control, limit protection and more, along with dedicated and independent bathroom and towel rail control, the comfort controllers are unrivalled when it comes to residential system flexibility and zonal control.

All controllers can be easily commissioned through Titan's ToolBox commissioning platform or pre-programmed to project requirements by Titan Products, prior to dispatch, to reduce commissioning time.

## KEY FEATURES:

- 2-pipe and 4-pipe FCU applications
- Combined FCU & UFH control options
- Options for integrated bathroom and towel rail control
- BACnet MS/TP or BACnet/IP communications
- Simple commissioning via Titan ToolBox
- Single controller for both heating and cooling
- Multi-zone heating only option



**TP-C-710R**  
Flexible BACnet MS/TP  
Fan Coil Controller



**TP-C-710R-IP**  
Flexible BACnet IP Fan Coil  
Controller



**MZ-503**  
BACnet MS/TP Multi-Zone  
Heating Controller

# Network Management

Managing flexible time scheduling, water treatment and valve exercising routines, local and email alarming, remote app access, energy management and connectivity to a wider building management system or cloud servers, the NetMaster is at the centre of the residential solution providing powerful network management capabilities. The NetMaster fully supports over the air (OTA) updates for system updates and feature enhancements.

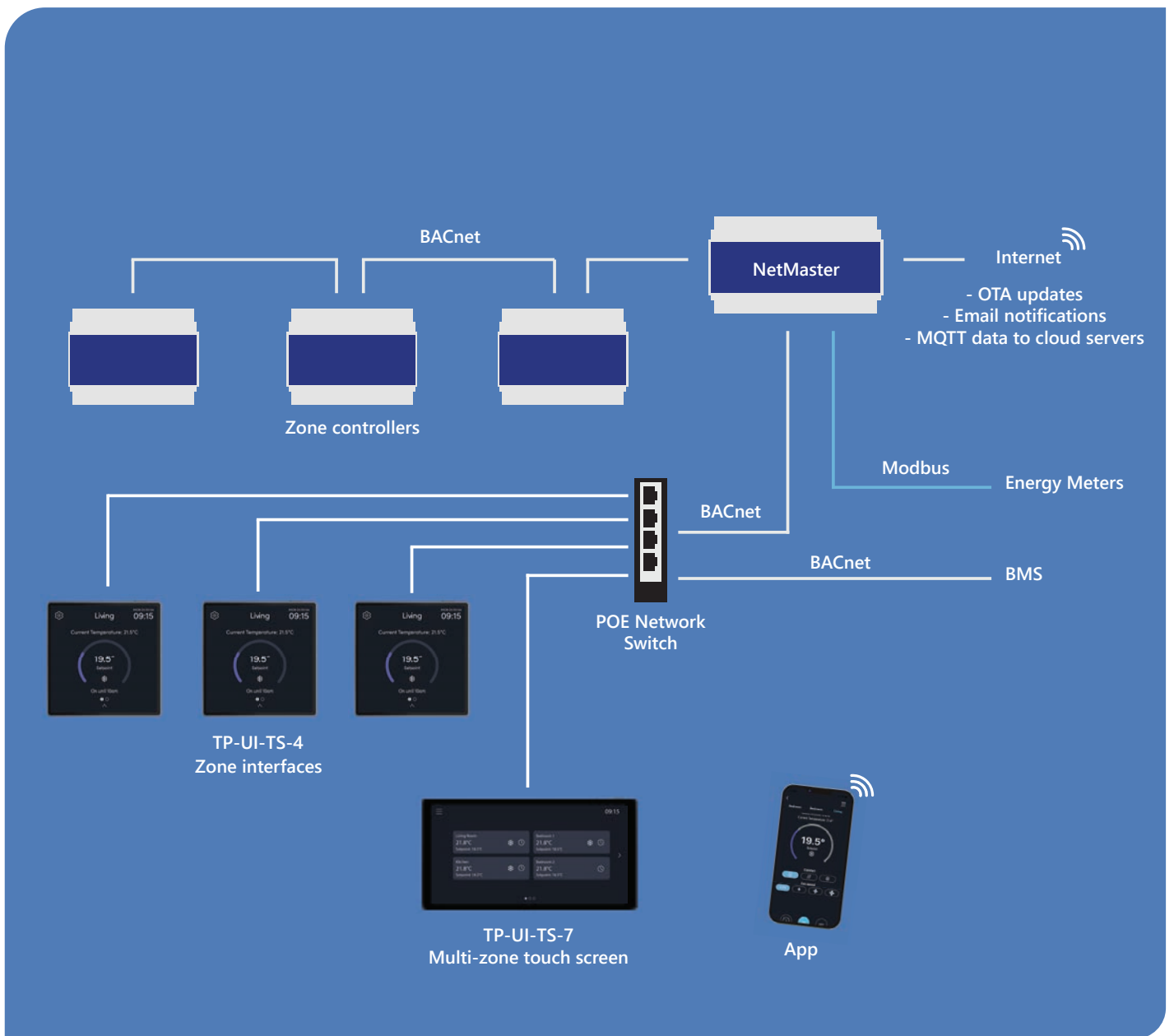


## Integration & Connectivity

At Titan we design our solutions using the latest open communications to facilitate the highest levels of integration. The Residential solution is no different incorporating BACnet, Modbus, IP and MQTT cloud communications to promote connectivity at all levels across the property system, wider building network and beyond.



# The System



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