

Room Display Unit (RDU-Touch)



The RDU-Touch provides a high end user experience when connected to compatible Titan Products BACnet controllers. Offering high quality material finishes along with attractive and intuitive touch screen interfaces, the RDU-Touch is the perfect tool for setting temperature comfort conditions within the associated space.

The RDU-Touch surround is available in a number of luxurious finishes with options to match the surround to any RAL colour ensuring the RDU-Touch matches the project colour schemes. Branding and bespoke screen design options are also available if required.

An integrated temperature sensor is supplied as standard with the RDU-Touch to remove the need for remote room temperature sensors, saving on install and cabling costs.

The RDU-Touch is fully compatible with the Titan Products RDU-T/HUB allowing for multiple RDU-Touch units to be connected to the associated BACnet controller. See RDU-T/Hub datasheet for more details.

Specification

Operating Temperature:	5 - 50°C
Operating Humidity:	5 - 80% RH non-condensing
Power Consumption:	5VA (excludes associated controller power consumption)
Connecting Cable:	RJ45 straight through (supplied by Titan Products)
Power Supply:	Supplied via RJ45 cable when connected to controller
Back Box Requirements:	35mm min depth. European double gang
Temperature Sensor accuracy:	+/-1°C
Dimensions:	145mm x 86mm
Product Code:	RDU-Touch

Note: The RDU-Touch is designed for use with Titan Products BACnet controllers only.
Contact Titan Products for full compatibility details.

Features

- Fully capacitive touch screen
- Set local 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
- POE type connection from connected controller for quick and simple installation
- Fully supports Titan Multi-Drop
- Connect up to 4 RDU-Touch interfaces to one compatible controller via Titan Products Multi-Drop (requires RDU-T/HUB)

RDU Placement

If using the on-board temperature sensor within the RDU as the control sensor, please ensure the RDU is mounted in a position that best represents the comfort conditions of the space.

Mount away from any windows and doors that could create a heat or cool source and skew the temperature reading. The RDU should be mounted away from direct sun light, draughts and other heating or cooling equipment such as radiators or fan coil air supply streams.

If it is not possible to mount the RDU in a suitable place for air temperature monitoring, a remote sensor is recommended. This sensor can be connected directly into the associated controller. Please contact Titan Products for sensor options

Installation Notes

To access fixing holes please remove the RDU surround

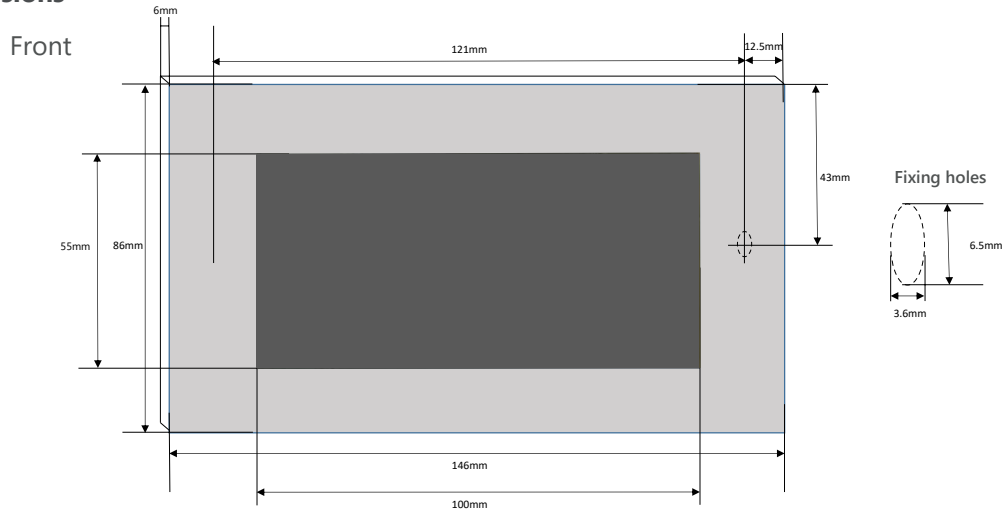
Fixing holes suitable for M3.5 screws

The RDU is designed to fit a standard double gang back-box. Minimum depth of back-box required is 35mm

Connect RDU-Touch to FCU-503 controller using RJ45 lead.

Power FCU-503 controller on (RDU takes power via RJ45/10m cable)

Dimensions



Back



RJ45 connection to controller. RDU is powered from this connection reducing site wiring.

If RDU-Touch temperature sensor is in use, sensor information is passed to the connected controller via this connection also.

Finishes

The RDU-Touch is available with a brushed stainless steel surround as standard. We also offer a number of luxurious finishes with options to match the surround to any RAL colour to ensure the RDU matches your project colour scheme. See below swatches for example finishes we can offer.

