



# PRODUCT BROCHURE 2026



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## Terms and Conditions

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All sales are subject to Titan Products Ltd. standard terms and conditions. All prices are in £ Sterling (GBP) and are exclusive of VAT, carriage & packing. Titan Products reserve the right to revise prices without notification. Titan Products reserve the right to modify or withdraw any product or service without notification.

All orders are accepted subject exclusively to Titan Products Ltd. terms and conditions of sale which are published on [www.titanproducts.com](http://www.titanproducts.com).

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## Delivery Options

Standard 1-2 days before 5.30pm	DELIVERY UK MAINLAND (England, Wales & Southern Scotland) (up to 15 Kilos)	11.00
Next Day before 12 noon	DELIVERY UK MAINLAND (England, Wales & Southern Scotland) (up to 15 Kilos)	22.00
Next Day before 10.30am	DELIVERY UK MAINLAND (England, Wales & Southern Scotland) (up to 15 Kilos)	35.00
<b>For other destinations consult sales office.</b>		

# WHO WE ARE



## 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 range of HVAC and smart building products and services provide innovative monitoring and control solutions for residential, education, retail, hospitality and healthcare settings.

### **UK DESIGNED, DEVELOPED & MANUFACTURED**

At Titan we are proud that our solutions are all designed, developed and manufactured in the UK allowing first class services and support to be provided alongside the products.

## NEW: COMMERCIAL

Our Commercial control and monitoring solutions combines our next generation of fan coil controllers, powerful network management, flexible sensing options, energy management and stylish user interfaces, to provide a one stop solution for all your control needs.



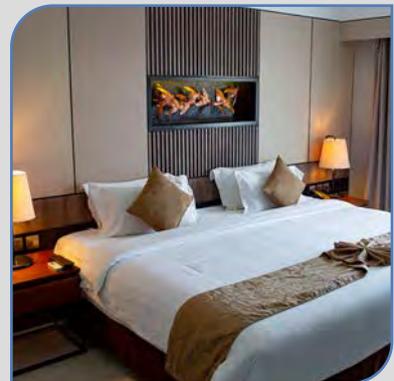
## RESIDENTIAL

Our Residential solution combines energy efficient FCU and UFH control for living room, bedrooms and bathrooms for complete property control with stylish user interfaces, utilising interoperable communication with links to BMS and IoT.



## HOTEL

The hotel guest room control solution combines networked energy efficient comfort control with high quality user interfaces for both inside and outside of the hotel guest room.



## EDUCATION

Our range of Natural Ventilation & Smart Building products combine to provide the perfect solution for learning and working environments where productivity, well-being, comfort and energy efficiency is critical.





# 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 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.

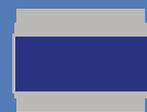
## BUILDING OCCUPANTS

All solutions are designed to provide a clean, productive and energy efficient working environment for the building users and occupants.



# NEW: COMMERCIAL SOLUTION

All aspects covering install, commissioning and usability have been designed with your needs at the forefront of our development focus. Whether the building is a commercial, retail or hospitality environment covering office space, retail outlets or restaurants, the system will provide benefits to all key building stakeholders.

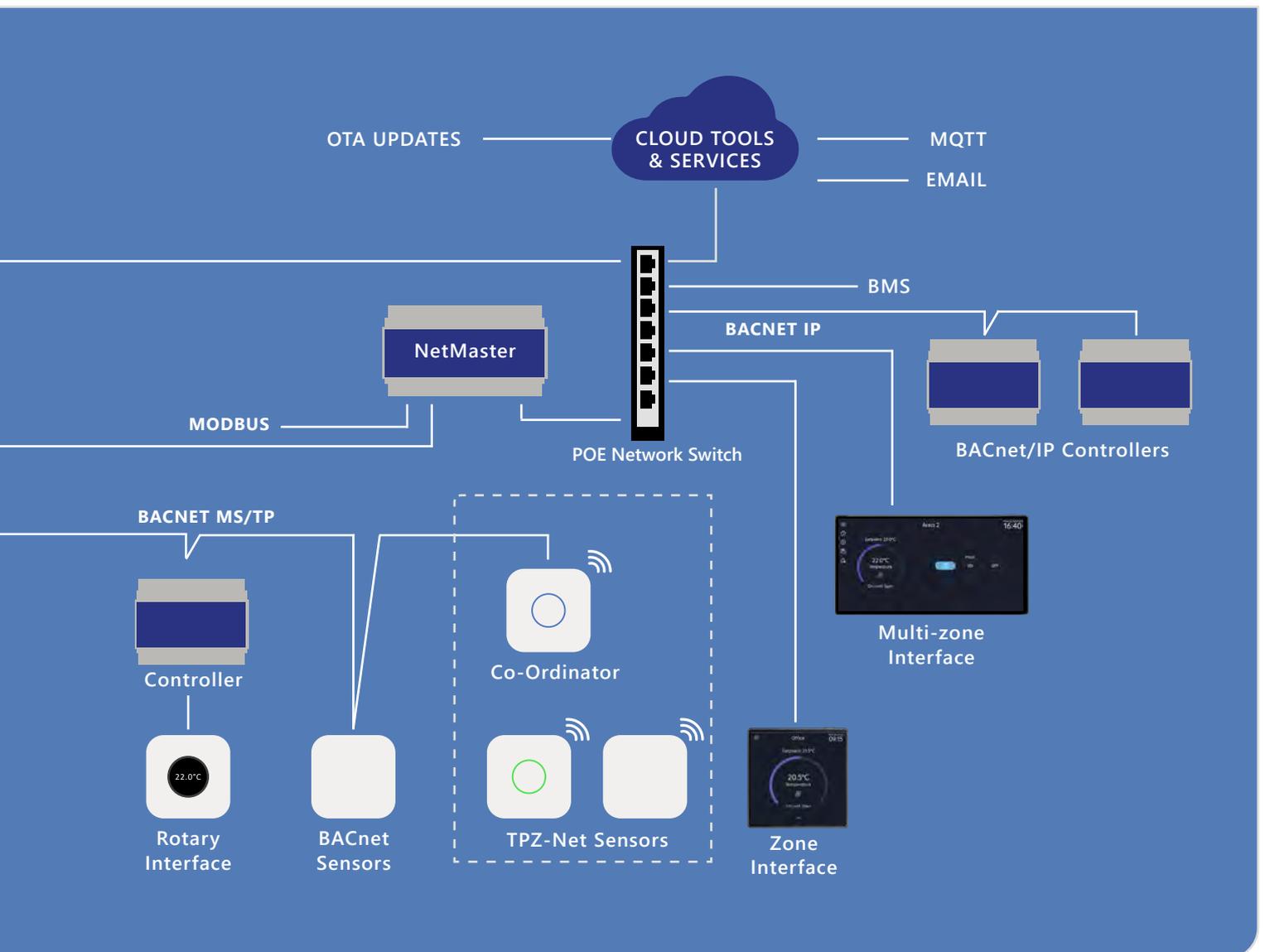


Plant Enablers

Alarms

Sensors

Whether you are looking for a sensing or control application only or a complete solution with network and energy management, the commercial solutions from Titan Products cater for every need.





# NEW: ICON Cloud Platform

Effortlessly monitor environmental conditions, manage energy consumption, and optimise building control with ICON from Titan Products.

**I.C.O.N** from Titan Products

INTELLIGENT • CONNECTED • OPTIMISED • NETWORKS

## Real-time Insights

Whether looking to ensure healthy air quality within a space, or to optimise energy efficient control within buildings, or to compare energy usage across estates, ICON is designed to suit your solution needs and generate real-time insights of your buildings from a single remote location.

## A Complete Titan System

Fully compatible with Titan's NetMaster network & energy managers, TP-710 comfort controllers and Gen 3 environmental sensors, ICON provides cost-effective, cloud-based asset management.

Utilise the data-driven approach of ICON to empower your teams to learn about your buildings, maximise efficiency opportunities, improve occupant productivity through healthier environments, and reduce overall operational costs.

## Intuitive Dashboards

View floorplans, key metrics, data graphs and more to help you gain a greater understanding of your buildings to ensure the correct insights are utilised to allow powerful changes to be made.



# NEW: TP-710 FAN COIL CONTROLLERS

At Titan, we have been delivering reliable and robust Fan Coil Unit (FCU) controllers for over 20 years. This experience has led us to the development of the TP-710 range of controllers which offer ease of setup, extensive control library options, open BACnet network connectivity and intuitive user interfaces.



## TP-710 Controllers for Commercial Applications

The TP-710 controllers offer flexible and energy efficient control for fan coil applications.

Covering 2-pipe and 4-pipe applications, there is the choice of BACnet/IP or BACnet MS/TP communications and a flexible mix of I/O to cater for 0-10V and 24VAC heat/cool actuator type and 0-10V EC fan control.



TP-C-710-IP



TP-C-710

## TP-710 Controllers for Residential Applications

Incorporating combined underfloor heating (UFH) with 2 and 4 pipe FCU applications along with the addition of independent bathroom and towel rail control, the TP-710R and TP-710R-IP controllers provide a complete residential control solution for any space.



TP-C-710R-IP



TP-C-710R

Part No.	Description	£
<b>BACnet/IP Fan Coil Controller</b>		
TP-C-710-IP	BACnet fan coil controller with BACnet/IP communications for commercial applications	215.00
<b>BACnet MS/TP Fan Coil Controller</b>		
TP-C-710	BACnet fan coil controller with BACnet MS/TP communications for commercial applications	197.00
<b>BACnet MS/TP Fan Coil Controller c/w Interlocked Fan Relays</b>		
TP-C-710-IFR	BACnet fan coil controller with BACnet MS/TP communications with interlocked fan relays	185.00

Part No.	Description	£
<b>BACnet/IP Fan Coil / UFH Controller</b>		
TP-C-710R-IP	BACnet fan coil / underfloor heating controller with BACnet/IP communications for residential applications	205.00
<b>BACnet MS/TP Fan Coil / UFH Controller</b>		
TP-C-710R	BACnet fan coil / underfloor heating controller with BACnet MS/TP communications for residential applications	185.00

# NEW: TOOLBOX

## COMMISSIONING PLATFORM

Commission our new TP-710 Fan Coil Controllers within minutes using our new commissioning platform ToolBox.

Quickly identify and configure controllers, effortlessly create and copy control profiles and fine-tune control functions.



## Features of ToolBox include:

- Auto discover & address controllers
- Create and copy control profiles
- Prove inputs and outputs
- View control sequences graphically
- Configure multiple controllers across a network from a single location
- Compatible with Titan TP-C-710 controllers

## Time-Saving Efficiency

Drastically reduces commissioning time, what once took hours now takes minutes.

## User-Friendly Interface

A seamless experience with an intuitive UI that ensures quick adoption

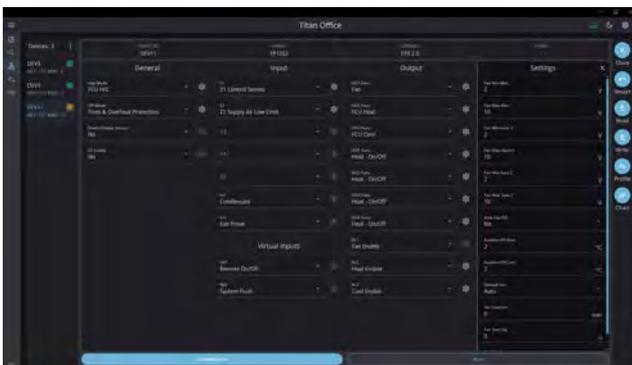
## Reliability You Can Trust

Built on Titan's 20 years of experience, ensuring robust performance and long-term dependability.

## Future-Proof

Designed to evolve, more features will be added to ToolBox in the future.

Part No.	Description	£
<b>ToolBox Commissioning Platform (for use with all 710 controllers)</b>		
TOOLBOX	ToolBox commissioning license for a single user	FOC



**Set up and save control profiles in seconds via commissioning mode**



**View control strategy in graphical form to visualise the control strategy you build**

# NEW: ROTARY USER INTERFACE

The full colour LCD display within the rotary dial provides an intuitive user experience via easy to navigate menus and push to select function. Set up is quick with display options configured easily from the device allowing its application to range from a simple set point adjuster to a complete control interface with set point, fan speed and control mode adjust (with heat / cool indication).



## INTUITIVE CONTROL

The interface is highly intuitive to use, by simply pressing the dial users can easily switch between setpoint, fan speed and mode adjust menus, while rotating the dial cycles through selection options.



## HALO LED INDICATION

As well as displaying an icon to show if heating or cooling is active, the HALO LED can be set to illuminate red when in heating or blue when in cooling. Alternatively, on the CO2 variant, the HALO be used to show traffic light indication of the CO2 levels.



## CHOICE OF MODELS

The Rotary Interface is available in white or black enclosures, which are both fully anti-microbial.

As standard the Rotary includes temperature and humidity monitoring, displaying this on wake, with the option for CO2 monitoring to be added.



## Rotary Interface



Rotary Interface

Part No.	Description	£
<b>Rotary Interface</b>		
TP-UI-RO	Rotary Interface c/w temperature and humidity monitoring	217.00
TP-UI-RO-B	Rotary Interface c/w temperature and humidity monitoring - Black	222.00
<b>Rotary Interface with CO2 Monitoring</b>		
TP-UI-RO-CO2	Rotary interface c/w CO2, temperature and humidity monitoring	299.00
TP-UI-RO-CO2-B	Rotary interface c/w CO2, temperature and humidity monitoring - Black	304.00

# NEW: TOUCH-SCREEN USER INTERFACES

The Touch-7 allows control and scheduling adjustment for multiple spaces while the Touch-4 caters for a single space. Both touch screens combine modern aesthetics, high performance and excellent user experience to provide a networkable user interface for comfort control adjustment when used alongside the Titan TP-710 fan coil controllers and NetMaster.



## Touch-7 User Interface

The 7" Touch screen is a centrally located comfort control interface, for all zones within a property. Mounted in a single gang electrical back box, the interface is quick and simple to install via POE or 24V power supply.

- **Comfort Control**

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

- **Set Time Schedules**

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

- **Choice of Light or Dark Modes**

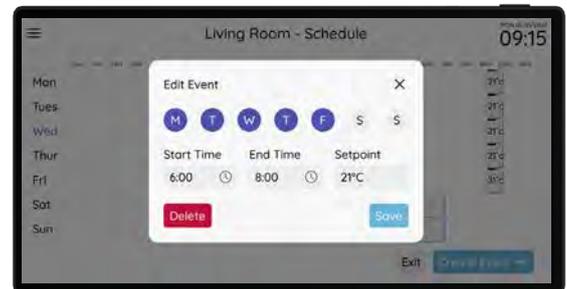
The end user can choose the preferred appearance

- **Proximity and Ambient Light Level Sensors**

The in built sensors adjust the screen settings for optimum display levels



Zone view: Adjust zone comfort parameters



Scheduling: User can effortlessly set time schedules for each zone

## Touch-4 User Interface

Designed for zonal control of up to 2 zones of control

- **Zonal Comfort Control**

The zonal 4" touch screen offers an intuitive, networked interface for effortless comfort control providing a setpoint, mode and fan speed adjust for the zone

- **Second zone**

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

- **Fully Synchronised**

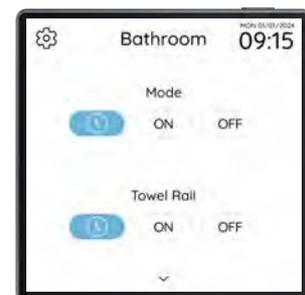
Fully synchronised with the multi-zone 7" display

- **Choice of Light or Dark Modes**

Giving choice to the end user, they can easily select the preferred interface with the settings



Zone 1 fan / mode adjustment



Zone 2 mode adjustment & towel rail (if configured)

# TOUCH-SCREEN USER INTERFACES

FOR BOTH COMMERCIAL AND RESIDENTIAL APPLICATIONS



## Touch-7 User Interface

Designed for both residential & commercial applications, the Touch-7 central touch screen combines modern aesthetics, high performance and excellent user experience.



TP-UI-TS-7

## Touch-4 User Interface

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



TP-UI-TS-4

## Room Display Units (RDU)

Allows zonal adjustment of comfort control with residential, commercial and hotel applications.



RDU-Touch

## DND Corridor Plate

Hotel corridor plate with Make Up Room, Do Not Disturb and Guest Room Number integration.



DND-Touch

Part No.	Description	£
<b>7" Touchscreen User Interface (for use with TP-710 controllers)</b>		
TP-UI-TS-7	7" Multi-zone Comfort Control Touch Screen	675.00

Part No.	Description	£
<b>4" Touchscreen User Interface (for use with TP-710 controllers)</b>		
TP-UI-TS-4	4" Zonal Comfort Control Touch Screen	347.00

Part No.	Description	£
<b>Room Display Unit (for use with TP-710 controllers)</b>		
RDU-Touch	RDU-Touch room display unit	316.00
Note: Add /W for white RAL9016 metal surround or /B for black RAL9005 metal surround Other finishes available, please contact the sales team for details.		

Part No.	Description	£
<b>DND-Touch Hotel Corridor Plate (for use with TP-710 controllers)</b>		
DND-Touch	DND-Touch hotel corridor display unit for MUR & DND indication	316.00
Note: Add /W for white RAL9016 metal surround or /B for black RAL9005 metal surround Other finishes available, please contact the sales team for details.		
<b>RDU-Touch/Hub for Multi-Drop</b>		
RDU-T/Hub	RDU-Touch hub for connecting up to 4 x RDU-Touch or DND-Touch units to a single controller	79.00

# BACNET CONTROLLERS

Underfloor Heating • VAV • Natural  
Ventilation • Multi-Purpose

Our range of application specific BACnet controllers covers under floor heating (UFH) , variable air volume (VAV), natural ventilation and multi-purpose control applications. All controllers are designed to provide flexible control, while minimising install and commissioning time.

## Multi-Zone UFH Controllers

Up to 4 zones of flexible UFH control



MZ-503

## VAV Controller

VAV control with CO2 control and re-heat capabilities.



CCM-204/VAV

## Natural Ventilation Controller

Multi-zone window/vent control based on temperature/CO2 conditions.



CCM-204/NV

## Multi-Purpose Controller

Wide range of HVAC control applications ranging from simple ON/OFF control to multi-stage vent / cool / heat applications



CCM-204/MPC

Part No.	Description	£
<b>MZ-503 BACnet Multi Zone Heating Controller</b>		
MZ-503	MZ-503 BACnet Multi Zone heating controller (4 x zones of heating control)	206.00

Part No.	Description	£
<b>BACnet Variable Air Volume (VAV) Temperature Controller</b>		
CCM-204/VAV	Networkable VAV Controller for VAV boxes: 4 x 0-10V outputs, 2 x triac outputs, 2 x Relay outputs	206.00

Part No.	Description	£
<b>BACnet Air Velocity / Air Pressure Controllers</b>		
CCM-204/NV	2 Zone Natural Ventilation Controller for Cross Flow and Fan Boost applications with real time clock for 0-10V control applications	206.00
NVC-1204	3 Zone Natural Ventilation Controller for 24VDC drive chain applications	206.00

Part No.	Description	£
<b>BACnet Multi-Purpose Controllers</b>		
CCM-204/MPC	Multi-Purpose BACnet Controller: 4 x 0-10V outputs, 2 x Triac outputs, 2 x Relay outputs	201.00

# NETWORK MANAGEMENT

## BACNET ROUTERS, NETWORK MANAGERS & GATEWAYS

Unlock the full potential of your building automation system with our range of BACnet Routers, Network Managers and Gateways.



### **BACnet MS/TP to IP Router (TP-NM-D)**

Offers powerful and secure BACnet MS/TP to BACnet/IP routing.

### **NetMaster Network Manager (TP-NM-R-D)**

Provides network management within residential control applications.

## NetMaster BACnet MS/TP to IP Network Routers

The NetMaster Router effortlessly routes BACnet MS/TP points from connected BACnet peripheral devices to BACnet/IP communication messages.



NetMaster Router

## NetMaster Network Managers for Titan Commercial Solution



Commercial NetMaster

## NetMaster Network Managers for Titan Residential Solution

Complete network management of residential properties incorporating scheduling, alarming, network mapping and control, with optional energy monitoring.



Residential NetMaster

## Modbus to BACnet Gateway

The CCI-2X485 BACnet gateway is designed to convert Modbus RTU registers to BACnet MS/TP points. This allows Modbus compatible devices to be added easily onto a BACnet MS/TP network.



CCI-2X485

Part No.	Description	£
<b>BACnet Routers</b>		
TP-NM-D	NetMaster BACnet MS/TP to BACnet IP Router	452.00

Part No.	Description	£
<b>BACnet Network Managers</b>		
TP-NM-C-D	NetMaster Network Manager (Din rail mounted)	669.00

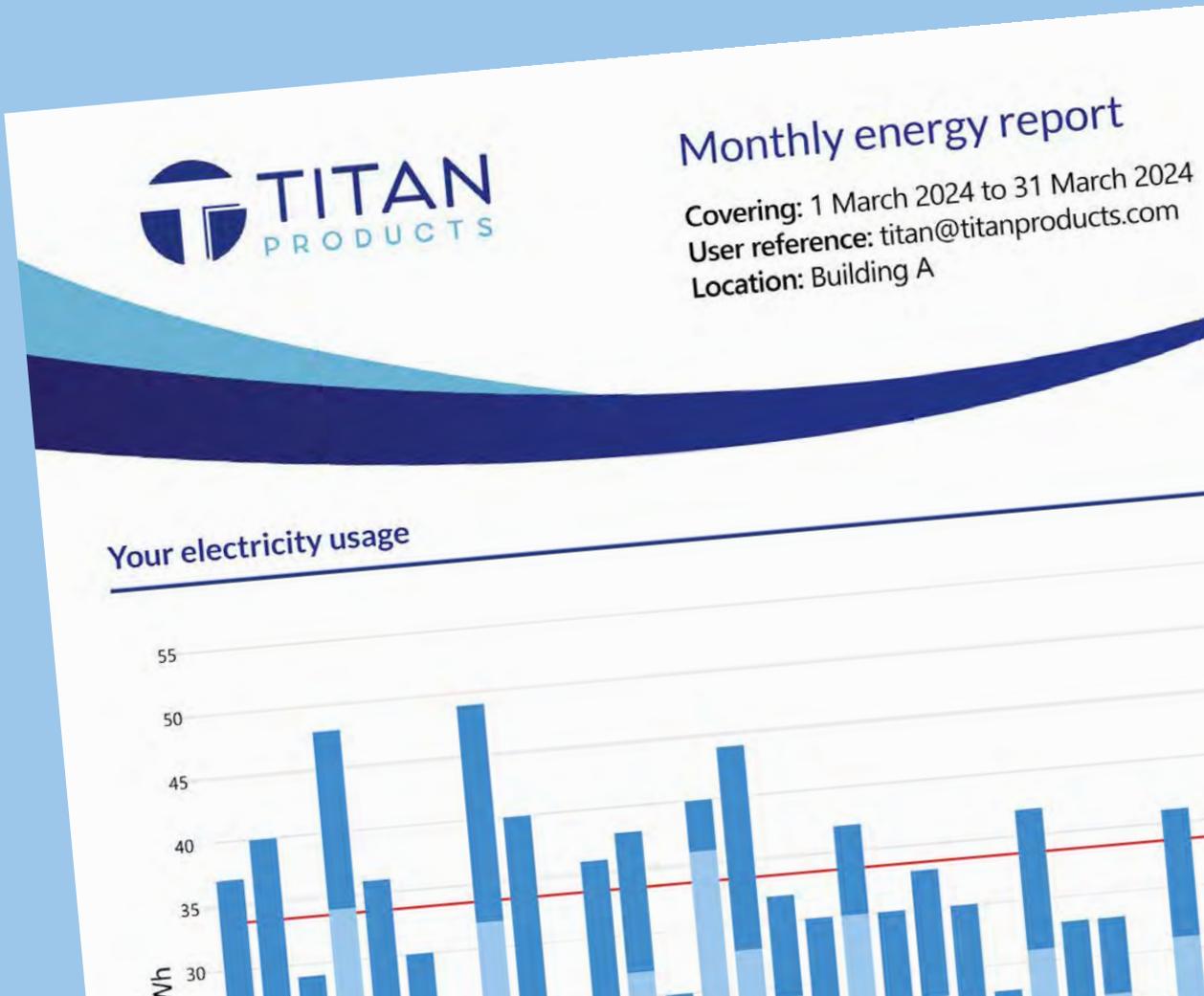
Part No.	Description	£
<b>BACnet Network Managers</b>		
TP-NM-R-D	NetMaster Network Manager (Din rail mounted)	588.00
TP-NM-R-EM-D	NetMaster Network Manager with Energy Monitoring (Din rail mounted)	669.00

Part No.	Description	£
<b>BACnet Gateway</b>		
CCI-2X485/24V	Modbus to BACnet Gateway 24V supply <i>Supplied with bespoke PC mapping software.</i>	213.00

# ENERGY MANAGEMENT

Providing clear insights into your building's energy usage, the Energy Manager allows you to create a clear understanding of the energy usage within your building.

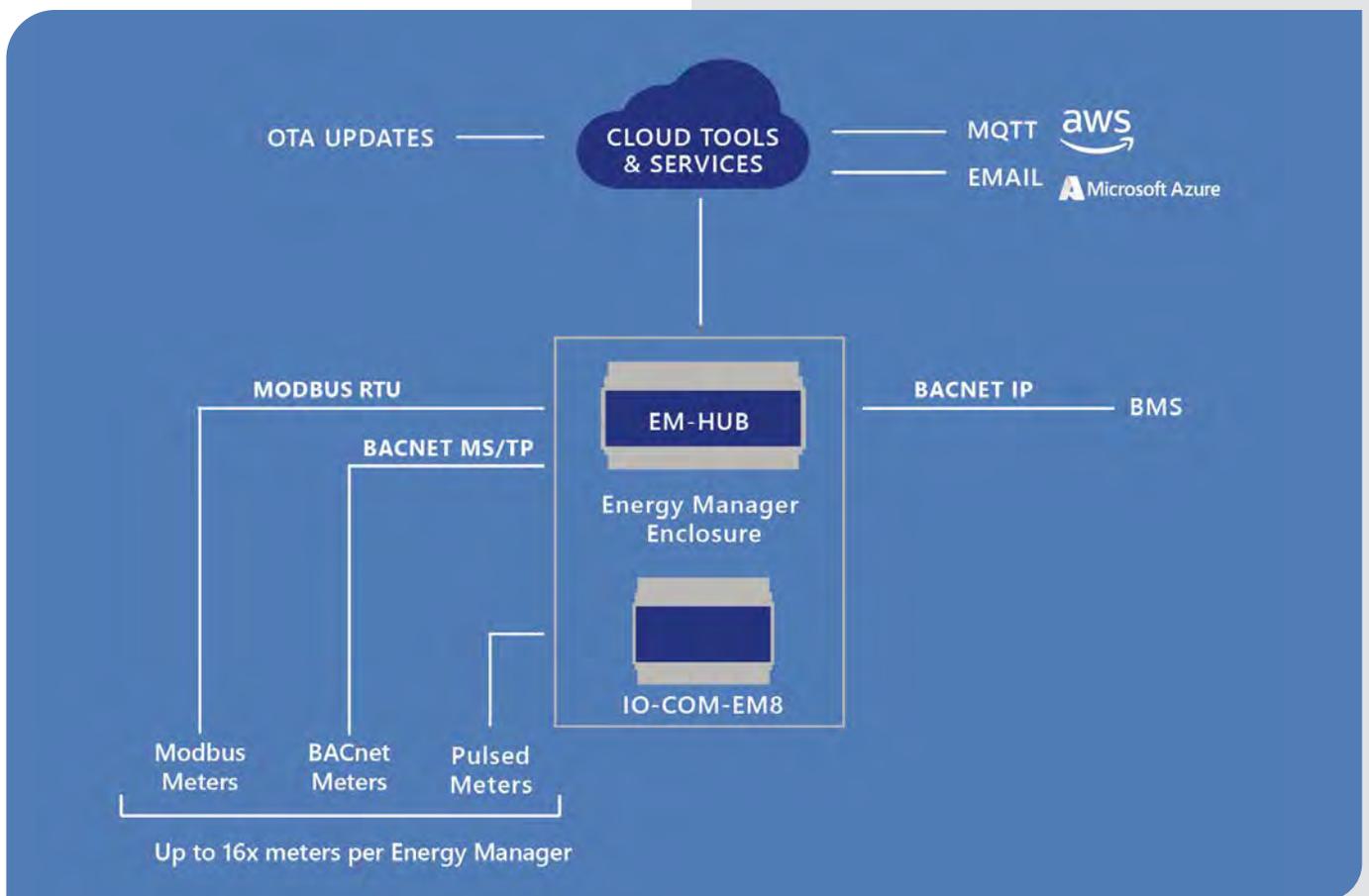
This promotes awareness of energy consumption patterns, enabling users to identify areas of inefficiency. By understanding how energy is being used, building owners, facility managers and tenants can make informed decisions to reduce waste and lower energy bills.



## Energy Manager

The Energy Manager is a pre-wired enclosure with everything needed to get the solution installed and up and running with minimal on-site time. Each energy manager caters for a combination of up to 16 x BACnet, Modbus, Pulsed, 0-10V or 4-20mA meters.

Bespoke Energy Manager enclosures can be manufactured, fully pre-installed with MID approved single or three-phase din rail mounted CT meters, providing a custom sub-metering solution.

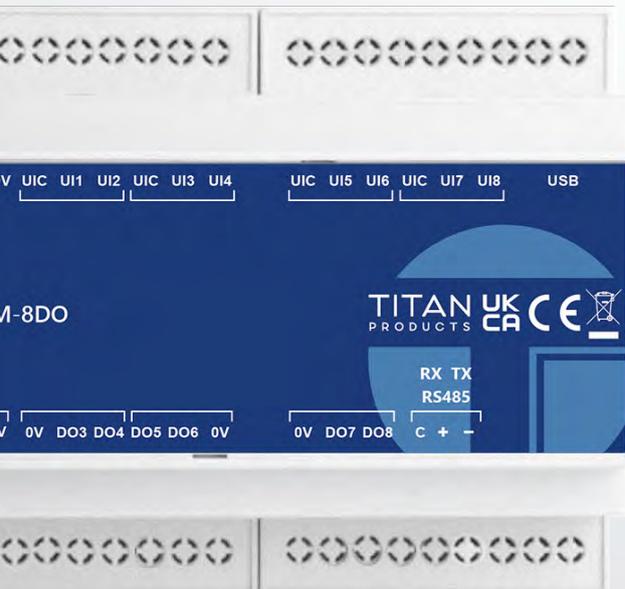


Energy Manager

Part No.	Description	£
<b>Pre-wired Energy Manager</b>		
TP-EM-16	Pre-wired Energy Manager for up to 16 x BACnet, Modbus, Pulsed, 0-10V, 4-20mA meters.	1,228.00
TP-EM-16-CT-*	Made to order pre-wired Energy Manager for up to 16 x single phase CT meters, or 4 x 3 phase CT meters (a mixture of meters is possible)	POA
<b>Energy Manager IO</b>		
IO-COM-EM8	8-way input module for pulsed, 0-10V and 4-20mA meters.	249.00

# BACNET/MODBUS IO MODULES

The Smart Input / Output (IO) modules are designed to provide additional and cost effective networkable device points to a BACnet MS/TP or Modbus RTU network.



## Flexible Universal Inputs

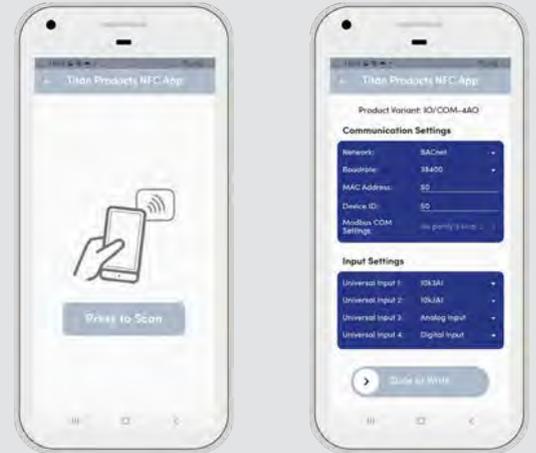
Configurable universal inputs including temperature sensors, analogue or digital inputs

## Output Options

Relay, 24V Digital or 10V Analogue  
(variant dependent)

## Simple Setup

All our Smart IO modules are supplied with Near Field Communication (NFC) capabilities as standard. This allows the IO modules to be set up using a smart phone or tablet via the Titan Commissioning App with the desired setup passed to the Smart IO module instantly, with or without power applied to the units. Alternatively, a PC based setup tool is also available if required



## Smart IO Modules

Available with 4 or 8 universal input configurations and choice of output options.



Smart IO Module with 4 x UI



Smart IO Module with 8 x UI

Part No.	Description	£
<b>IO/COM Smart Input Output Modules with 4 Universal Inputs (UI)</b>		
IO/COM-4DO	Smart IO Module with 4 x UI and 4 x Digital Outputs	191.00
<b>IO/COM Smart Input Output Modules with 8 Universal Inputs (UI)</b>		
IO/COM-8AO	Smart IO Module with 8 x UI and 8 x Analogue Outputs	245.00
IO/COM-8DO	Smart IO Module with 8 x UI and 8 x Digital Outputs	245.00
IO/COM-8R	Smart IO Module with 8 x UI and 8 x Relay Outputs	245.00
IO/COM-4AO4DO	Smart IO Module with 8 x UI and 4 x Digital Outputs and 4 x Analogue Outputs	245.00
<b>IO/COM Commissioning Kit</b>		
IO-COMKIT	Commissioning Kit comprising of Smart IO Configuration Tool and USB to Mini USB Cable	17.00

# BACNET/MODBUS SMART SENSORS

CO2 • Temperature • Humidity • Air Pressure

Our Smart range of HVAC sensors provide interoperable connectivity by communicating directly onto a BACnet MS/TP or Modbus network.



## Smart CO2, Temperature & Humidity Room Sensors

Networkable temperature, CO2 and humidity room sensors with BACnet / Modbus communications.



Smart Room Sensor - Slimline



Smart Room Sensor - Halo

## Smart Plant Sensors

Networkable sensors for external, air duct and water pipe applications.



Smart BACnet & Modbus Outside Sensor



Smart BACnet & Modbus Duct Sensor



Smart BACnet & Modbus Differential Pressure Transmitter

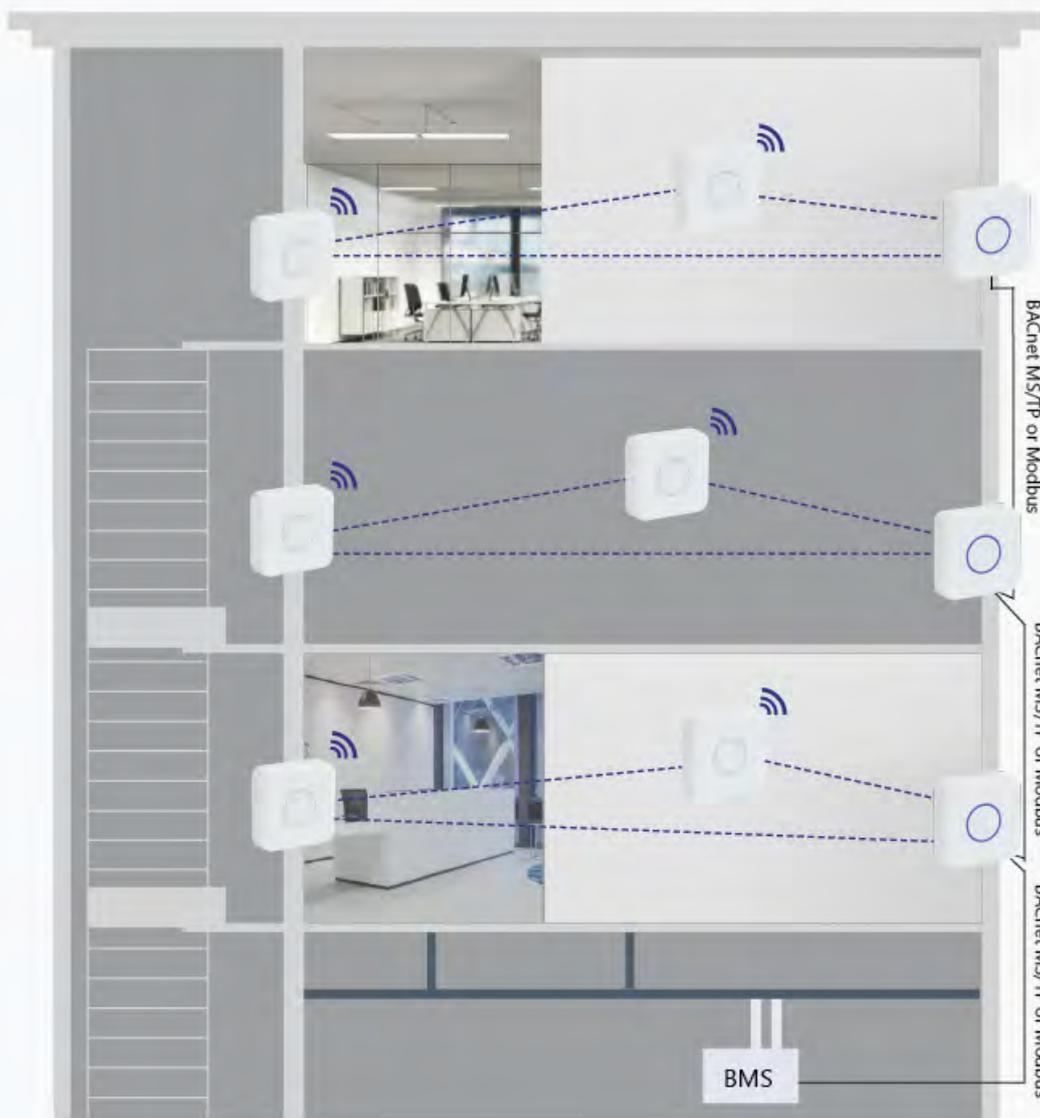
Part No.	Description	£
<b>Smart Temperature &amp; Humidity Sensor</b>		
TP-RS-RHT-BMS	Gen 3 Room Temperature & Humidity Sensor with BACnet / Modbus communications - slimline enclosure	123.94
TP-RS-RHT-HA-BMS	High Accuracy Gen 3 Room Temperature & Humidity Sensor with BACnet / Modbus communications - slimline enclosure	138.94
Supplied as white as standard. For black enclosures add -B to end of part no.		+3.34
<b>Smart CO2 Temperature &amp; Humidity Sensor</b>		
TP-RS-CO2RHT-BMS	Gen 3 Room CO2 Temperature & Humidity Sensor with BACnet / Modbus communications - no LED - slimline enclosure	182.67
Supplied as white as standard. For black enclosures add -B to end of part no.		+3.34
TP-RS-CO2RHT-BMS-H	Gen 3 Room CO2 Temperature & Humidity Sensor with BACnet / Modbus communications - HALO LED	205.45

Part No.	Description	£
<b>Smart BACnet &amp; Modbus Outside Sensors</b>		
TP-OS-RHT-BMS	Smart Outside Humidity and Temperature sensor with BACnet MS/TP and Modbus RTU communications	214.23
TP-OS-RHT-HA-BMS	High Accuracy Smart Outside Humidity and Temperature sensor with BACnet MS/TP and Modbus RTU communications	225.72
<b>Smart BACnet &amp; Modbus Duct Sensors</b>		
TP-DS-RHT-BMS	Smart Duct Humidity and Temperature sensor with BACnet MS/TP and Modbus RTU communications	221.54
TP-DS-RHT-HA-BMS	High Accuracy Smart Duct Humidity and Temperature sensor with BACnet MS/TP and Modbus RTU communications	231.99
TP-DS-CO2RHT-BMS	Smart Duct CO2 sensor with BACnet MS/TP and Modbus RTU communications	238.05
<b>Smart BACnet &amp; Modbus Differential Air Pressure Transmitters</b>		
TPDPT8/125-COM	4 ranges 0-25, 0-50, 0-100, 0-125Pa with Positive/Negative selection	176.61
TPDPT8/500-COM	4 ranges 0-200, 0-300, 0-400, 0-500Pa with Positive/Negative selection	176.61
<b>Smart BACnet &amp; Modbus Air Velocity Transmitters</b>		
TPAVT8/10-COM	2 ranges 0-5m/s and 0-10m/s Air Velocity Transmitter	176.61
TPAVT8/28-COM	3 ranges 0-15m/s, 0-20m/s and 0-28m/s Air Velocity Transmitter	176.61

# WIRELESS:

## CO2 • Temperature • Humidity

The TPZ-Net wireless solution provides on-premise integration of wireless sensors onto building networks. The solution reduces install costs, simplifies commissioning and is built on reliable, building wide communications that are designed for building automation.



## TPZ-Net Wireless CO2, Temperature & Humidity Room Sensors

Gen 3 battery powered room sensors, designed to wirelessly communicate to a parent TPZ-Net Co-Ordinator.



**TPZ-Net Room Temperature Sensor**

## TPZ-Net Co-Ordinator

Wirelessly collects information from room sensors and repeaters, transferring data to a BMS via BACnet MS/TP or Modbus communications.



**TPZ-Net Co-Ordinator**

## TPZ-Net Repeater

Increases distance between sensors and co-ordinators by repeating the sensor messages and adding mesh networking to the wireless network.



**TPZ-Net Repeater**

## Zigbee 3.0 Room CO2, Humidity and Temperature Sensor

The Zigbee 3.0 CO2, humidity and temperature sensor is designed to wirelessly monitor the environmental conditions within a space and expose these parameters wirelessly via a Zigbee 3.0 network.



**Zigbee 3.0 CO2, Humidity & Temperature Sensor**

Part No.	Description	£
<b>Humidity and Temperature Wireless Sensors (TPZ-Net range)</b>		
TP-RS-RHT-TPZ	TPZ-Net Wireless Room Humidity and Temperature Sensor	160.00
<b>Combined CO2, Temperature and Humidity Sensors (TPZ-Net range)</b>		
TP-RS-CO2RHT-TPZ	TPZ-Net Wireless Room Carbon Dioxide (CO2), Temperature and Humidity Sensor	218.00
<b>Co-Ordinators (TPZ-Net range)</b>		
TP-TPZC	TPZ-Net wall mounted co-ordinator to communicate directly to a BACnet or Modbus BMS (24V supply)	269.00
<b>Repeaters (TPZ-Net range)</b>		
TP-TPZR	TPZ-Net wall mounted repeater; designed to improve the distance of communication between the TPZ-Net range of products (24V supply)	173.00
<b>Commissioning (TPZ-Net range)</b>		
TPZ-COMKIT	TPZ-Net Commissioning Kit (includes USB Dongle and PC Commissioning Software)	206.00
<b>Site Survey Kit (TPZ-Net range)</b>		
TPZ-SSK	Battery powered Site Survey Kit for TPZ-Net Sensor range	484.00
Note: a site survey is highly recommended prior to any wireless installation		

Part No.	Description	£
<b>Zigbee 3.0 Room CO2, Humidity and Temperature Sensor</b>		
TP-RS-CO2RHT-Z3	Zigbee 3.0 Gen 3 Room Temperature & Humidity Sensor (Battery powered)	175.00
<b>Zigbee 3.0 Room Humidity and Temperature Sensor</b>		
TP-RS-RHT-Z3	Zigbee 3.0 Gen 3 Room CO2 Temperature & Humidity Sensor (Battery powered)	135.00

# 0-10V CO2 SENSORS

Carbon dioxide (CO<sub>2</sub>) sensors play a vital role in monitoring and controlling indoor air quality levels. While CO<sub>2</sub> sensors are already a valuable tool, those equipped with LED indication, such as our Halo variants, offer the additional benefit of providing real-time visual feedback.



## Gen 3 Room CO2, Temperature & Humidity Sensors

Our Gen 3 Room combined CO2, Temperature & Humidity sensors offer a sleek, modern design creating our slimmest CO2 room sensor to date.



**Room Sensor - Slimline**



**Room Sensor - Halo**

## Duct Mounted CO2, Temperature & Humidity Sensor

Our Duct CO2 Sensors measure carbon dioxide levels in extract duct systems and provides a 0-10V signal depending on the CO2 concentration levels within the duct work as well as providing 0-10V signals for relative humidity and temperature conditions.



**Duct CO2, Temp & Humidity Sensor**

Part No.	Description	£
<b>Room CO2, Temperature &amp; Humidity Sensors</b>		
TP-RS-CO2RHT-V-10K3	Room CO2 Temperature & Humidity Sensor (0-10V CO2, dual 0-10V and 10K3A1 temp and 0-10V humidity) (Slimline)	156.54
<i>Other element types available on request. Contact Titan Products for details and options.</i>		
Supplied as white as standard. For black enclosures add -B to end of part no.		+3.34

Part No.	Description	£
<b>Room CO2, Temperature &amp; Humidity Sensors with CO2 indication</b>		
TP-RS-CO2RHT-V-10K3-H	Room CO2 Temperature & Humidity Sensor (0-10V CO2, dual 0-10V and 10K3A1 temp and 0-10V humidity) (Halo)	185.91
<i>Other element types available on request. Contact Titan Products for details and options.</i>		

Part No.	Description	£
<b>Duct Mounted CO2, Temperature &amp; Humidity Sensor</b>		
TP-DS-CO2RHT-V-10K3	Carbon Dioxide (CO2) Gas Sensor (duct mounted) 0-10V output for CO2, Temperature & Humidity	211.93

For Smart CO2 Sensors see page 29

# CO2 INDICATOR

Our Battery Powered CO2 Indicator monitors the carbon dioxide levels in a space and shows these levels via a traffic light LED HALO. Ideal for schools and universities, they provide a visual indication, highlighting if extra ventilation in a space is required.

## Battery Powered CO2 Indicator with LED HALO

The LED light will change colour based on CO2 concentration levels. There is no requirement to wire the unit, making it extremely easy and cost effective to install. The CO2 indicator uses a low power consuming CO2 cell, giving it the best possible battery life.



### Green HALO

Within recommended levels, indicating air quality and ventilation is good



### Yellow HALO

As CO2 levels begin to rise amber will indicate action is required soon as air quality worsens.



### Red HALO

Indicates CO2 is above the recommended levels. Increased ventilation is required such as opening a window.



CO2 Indicator



CO2 Indicator on stand

Part No.	Description	£
<b>Battery Powered CO2 Indicator</b>		
TP-IND-CO2	Wireless Battery Powered Room CO2 Indicator - for indication purposes only	147.35

Part No.	Description	£
<b>Stand for CO2 Indicator</b>		
TP-STAND	Optional clear stand for desk mounting the CO2 indicator	6.00

For Wireless CO2 Sensors see page 31

# CARBON MONOXIDE SENSORS

Our Carbon Monoxide (CO) Sensors are available in Titan's new housing, delivering the same durability, reliability & ease of installation our customers expect. The sensor supports a replaceable CO sensor module and front filter to allow for ease of component replacement.



## 0-10V CO Sensor

The wall mounted Carbon Monoxide (CO) Sensor is designed to monitor CO conditions within a space and convert this to a calibrated 0-10V scaled output across a 0-300ppm range.

The TP-S-CO-V-R adds adjustable relay switching to the sensor to provide combined 0-10V and relay outputs.



CO Sensor

Part No.	Description	£
<b>0-10V Carbon Monoxide Sensor</b>		
TP-S-CO-V	Wall mounted CO sensor with 0-10V output	109.73
<b>0-10V Carbon Monoxide Sensor with Adjustable Relay Output</b>		
TP-S-CO-V-R	Wall mounted CO sensor with 0-10V output and adjustable switched relay output	125.40

# TEMPERATURE SENSORS

We offer a wide range of resistive, 0-10V and 4-20mA temperature sensors. Designed for a wide range of applications, the sensors cover room, outside, clamp-on, duct and immersion options.

Combining modern, slimline aesthetics with Titan's high product quality and reliability, the **Gen 3 Room Sensors** have been designed with you in mind.

## **Our slimmest room sensor to date**

At only 19mm deep the slimline Gen 3 temperature, humidity and CO2 sensors are our slimmest room sensors to date.

## **LED HALO**

Designed as a simple yet informative interface the HALO is the ideal companion for understanding CO2 levels to maximise occupant comfort and well-being.

## **Anti-microbial properties**

All room housings within the Gen 3 product line incorporate certified Polygiene® product protection, designed to pro-actively inhibit the growth of harmful microbes such as bacteria, viruses and fungi on the sensor surface.





**GEN 3 ROOM SENSOR**

Low cost sensor available in white or black with a choice of thermistor



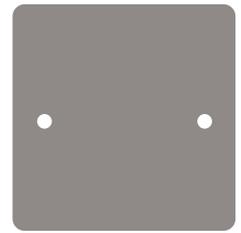
**BLACK BULB SENSOR**

Designed to measure the temperature of radiant heating systems



**ROOM SENSOR SETPOINT**

Gen 2 room temperature sensor with setpoint adjuster



**ANTI-LIGATURE PLATE SENSOR**

The sensor is mounted behind the plate to ensure the product is fully protected

**BUTTON SENSOR**

Button only to provide discreet temperature sensing, also available on a plate



**DISCREET SENSOR**

Designed to be wall mounted, the sensor can be lightly skimmed and painted over

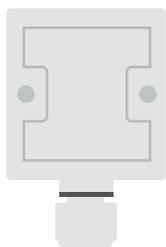


**FLYING LEAD SENSORS**

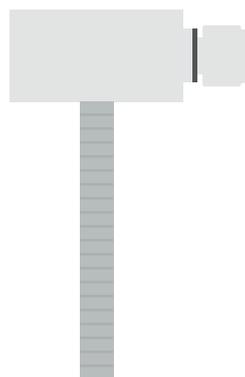
Designed for temperature monitoring in UFH applications, VAV boxes or fan coil units



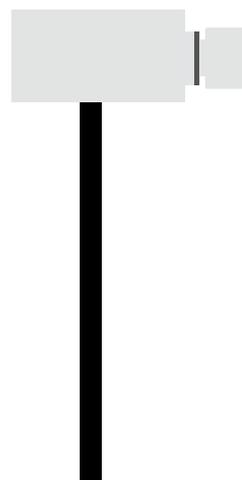
**OUTSIDE SENSOR**



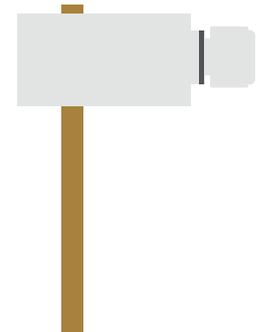
**CLAMP-ON SENSOR**



**DUCT SENSOR**



**IMMERSION SENSOR**



## Gen 3 Room Temperature Sensors

The Gen 3 sensors feature a sleek, modern design creating our slimmest room sensor to date.

Designed to accurately measure internal temperature the sensors are available with choice of thermistor options. For the full list of thermistor types available please contact the sales team.



**Gen 3 Room Temperature Sensor**



**Gen 3 Room Temperature Sensor (Black)**

## Black Bulb Temperature Sensor

The Black Bulb Room Temperature Sensor is specifically designed to measure the temperature of radiant heating systems.



**Black Bulb Temperature Sensor**

## Room Sensor with Setpoint Adjuster

Supplied in our Gen 2 housing, the Room Temperature Sensor with Setpoint Adjuster measures the internal space temperature and offers a 1-11k potentiometer for setpoint adjust.



**Room Temperature Sensor with Setpoint Adjuster**

Part No.	Description	£
<b>Room Temperature Sensor</b>		
TP-RS-10K3	10K3A1 Room Temperature Sensor (Slimline)	10.35
TP-RS-10K4	10K4A1 Room Temperature Sensor (Slimline)	13.79
TP-RS-20K6	20K6A1 Room Temperature Sensor (Slimline)	13.79
TP-RS-NI1000	NI1000 Room Temperature Sensor (Slimline)	17.14
TP-RS-PT1000	PT1000 Room Temperature Sensor (Slimline)	17.14
Supplied as white as standard. For black enclosures add -B to end of part no.		+3.34

Part No.	Description	£
<b>Black Bulb Temperature Sensor</b>		
TP-RS-BB-10K3	10K3A1 Black Bulb Temperature Sensor	30.83
TP-RS-BB-10K4	10K4A1 Black Bulb Temperature Sensor	31.98
TP-RS-BB-20K6	20K6A1 Black Bulb Temperature Sensor	31.98
TP-RS-BB-NI1000	NI1000 Black Bulb Temperature Sensor	34.69
TP-RS-BB-PT1000	PT1000 Black Bulb Temperature Sensor	34.69

Part No.	Description	£
<b>Room Temperature Sensor with Setpoint Adjuster</b>		
TPTLCR	10K3A1 Room Temperature Sensor with Setpoint Adjuster	34.28
TPALCR	10K4A1 Room Temperature Sensor with Setpoint Adjuster	36.58
TPHLCR	20K6A1 Room Temperature Sensor with Setpoint Adjuster	36.58
TPLCR/NI1000	NI1000 Room Temperature Sensor with Setpoint Adjuster	40.02
TPPT3LCR	PT1000 Room Temperature Sensor with Setpoint Adjuster	40.02

## Button and Plate Sensors

Our Button Temperature Sensors can be supplied either on an attractive plate or with the button only to provide discreet temperature sensing.

For the full list of thermistor types available please contact the sales team.



**Button Temperature Sensor**  
Available in Black, White and Stainless Steel



**Button Temperature Sensor with Plate**  
Available in White or Stainless Steel



**Anti-Ligature Plate Temperature Sensor**  
Available in Stainless Steel

Our Anti-Ligature Plate Temperature Sensors are designed to provide robust, anti-ligature properties when measuring indoor temperature conditions in applications such as hospitals, institutions and prisons. Tamper-proof screws can also be added if required.

## Discreet Temperature Sensor

The Discreet Temperature Sensor can be lightly skimmed and painted over making it perfect for any residential, commercial or public building application where you require the sensor appearance to be subtle.



**Flush Mounted Discreet Sensor**



**Flush Mounted Discreet Sensor with Flying Lead**

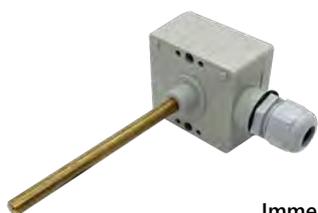
Part No.	Description	£
<b>Black Button Sensors</b>		
TPBS (state element)	Black Button Temperature Sensor (10K3A1 or 10K4A1 Thermistor)	14.84
TPBS (state element)	Black Button Temperature Sensor (20K6A1, Ni1000 or PT1000 Thermistor)	18.29
<b>White Button Sensors</b>		
TPWBS (state element)	White Button Temperature Sensor (10K3A1 or 10K4A1 Thermistor)	14.21
TPWBS (state element)	White Button Temperature Sensor (20K6A1, Ni1000 or PT1000 Thermistor)	17.45
TPWBS/P (state element)	White Button Temperature Sensor with flush white plate (10K3A1 or 10K4A1 Thermistor)	25.08
TPWBS/P (state element)	White Button Temperature Sensor with flush white plate (20K6A1, Ni1000 or PT1000 Thermistor)	28.32
<b>Stainless Steel Button Sensors</b>		
TPSSBS (state element)	Stainless Steel Button Temperature Sensor (10K3A1 or 10K4A1 Thermistor)	14.21
TPSSBS (state element)	Stainless Steel Button Temperature Sensor (20K6A1, Ni1000 or PT1000 Thermistor)	17.45
TPSSBS/P (state element)	Stainless Steel Temperature Sensor with flush Stainless Steel plate (10K3A1 or 10K4A1 Thermistor)	41.38
TPSSBS/P (state element)	Stainless Steel Temperature Sensor with flush Stainless Steel plate (20K6A1, Ni1000 or PT1000 Thermistor)	44.62

Part No.	Description	£
<b>Stainless Steel Anti-Ligature Plate Temperature Sensor</b>		
TPSSPS (state element)	Stainless Steel Temperature Plate Sensor (10K3A1, 10K4A1 Thermistor)	34.28
TPSSPS (state element)	Stainless Steel Temperature Plate Sensor (20K6A1, Ni1000, PT1000 Thermistor)	38.04

Part No.	Description	£
<b>Flush Mounted Discreet Temperature Sensor</b>		
TPFMTS (state element)	Flush Mounted Discreet Sensor	21.74
TPFMTS/FL (state element)	Flush Mounted Discreet Sensor c/w 5m Flying Lead	27.17

## Immersion Temperature Sensors

Our Immersion Temperature Sensors are designed to measure liquid flow temperatures in pipeworks within plant rooms, boiler rooms and chiller rooms. The immersion sensors can be supplied with 125mm or 65mm length probes and come with an IP65 enclosure which is screwed closed for protection.



**Immersion Temperature Sensor 125mm**



**Immersion Temperature Sensor 65mm**

Part No.	Description	£
<b>Immersion Temperature Sensors (Resistive)</b>		
TPTIS/NP	10K3A1 Immersion Sensor 125mm probe (excludes pocket)	19.65
TPTIS/NP/65	10K3A1 Immersion Sensor 65mm probe (excludes pocket)	19.65
TPAIS/NP	10K4A1 Immersion Sensor 125mm probe (excludes pocket)	25.08
TPAIS/NP/65	10K4A1 Immersion Sensor 65mm probe (excludes pocket)	25.08
TPHIS/NP	20K6A1 Immersion Sensor 125mm probe (excludes pocket)	25.08
TPHIS/NP/65	20K6A1 Immersion Sensor 65mm probe (excludes pocket)	25.08
TPIS/Ni1000/NP	Ni1000 Immersion Sensor 125mm probe (excludes pocket)	29.36
TPIS/Ni1000/NP/65	Ni1000 Immersion Sensor 65mm probe (excludes pocket)	29.36
TPPT3IS/NP	PT1000 Immersion Sensor 125mm probe (excludes pocket)	25.08
TPPT3IS/NP/65	PT1000 Immersion Sensor 65mm probe (excludes pocket)	25.08
<b>Immersion Temperature Sensors for chilled water (Resistive)</b>		
TPTIS/R/NP	10K3A1 Immersion Sensor for chilled water 125mm probe (excludes pocket)	29.36
TPTIS/R/NP/65	10K3A1 Immersion Sensor for chilled water 65mm probe (excludes pocket)	29.36
TPAIS/R/NP	10K4A1 Immersion Sensor for chilled water 125mm probe (excludes pocket)	31.56
TPAIS/R/NP/65	10K4A1 Immersion Sensor for chilled water 65mm probe (excludes pocket)	31.56
TPHIS/R/NP	20K6A1 Immersion Sensor for chilled water 125mm probe (excludes pocket)	31.56
TPHIS/R/NP/65	20K6A1 Immersion Sensor for chilled water 65mm probe (excludes pocket)	31.56
TPIS/Ni1000/R/NP	Ni1000 Immersion Sensor for chilled water 125mm probe (excludes pocket)	34.80
TPIS/Ni1000/R/NP/65	Ni1000 Immersion Sensor for chilled water 65mm probe (excludes pocket)	34.80
TPPT3IS/R/NP	PT1000 Immersion Sensor for chilled water 125mm probe (excludes pocket)	31.56
TPPT3IS/R/NP/65	PT1000 Immersion Sensor for chilled water 65mm probe (excludes pocket)	31.56
<b>Immersion Temperature Sensors (0-10V and 4-20mA)</b>		
TPVIS/40/NP	Immersion Sensor - 125mm probe -10+40°C (excludes pocket)	82.66
TPVIS/40/NP/65	Immersion Sensor - 65mm probe -10+40°C (excludes pocket)	82.66
TPIS/40/NP	Immersion Sensor - 125mm probe -10+40°C (excludes pocket)	84.85
TPIS/40/NP/65	Immersion Sensor - 65mm probe -10+40°C (excludes pocket)	84.85
<b>Immersion Temperature Sensors (6mm Internal Diameter Probe)</b>		
TPTIS/NP/6MM	10K3A1 Immersion Sensor 6mm x 125mm probe (excludes pocket)	19.65
TPTIS/NP/65/6MM	10K3A1 Immersion Sensor 6mm x 65mm probe (excludes pocket)	19.65
TPTIS/R/NP/6MM	10K3A1 Immersion Sensor for chilled water 6mm x 125mm probe (excludes pocket)	29.36
TPTIS/R/NP/65/6MM	10K3A1 Immersion Sensor for chilled water 6mm x 65mm probe (excludes pocket)	29.36

### Special Immersion Sensors

We can supply a variety of immersion temperature sensors to suit your application. These include immersion sensor probes to fit Satchwell 1204 pocket and L&G pockets. We can also supply immersion sensors with different diameters such as 5mm, as well as probes in bespoke lengths.

Please contact the sales team with your requirements.

## Immersion Sensor Pockets



Stainless Steel Pocket



Brass Pocket

## Outside Temperature Sensors

Our Outside Temperature Sensor measures external temperature conditions. As it is exposed to the elements all year round, it is supplied with an IP65 enclosure which is screw closed with the sensor element encapsulated to prevent any damage from condensation or excess moisture forming. This protection on the sensor means it will continue to operate even at low temperatures.



Outside Temperature Sensor

## Ceiling Mounted Temperature Sensors

Our Ceiling Mounted Temperature Sensor is compatible with most leading BMS controls and is made to measure temperature conditions in open-plan office areas by having the temperature probe protruding through the false ceiling tiles.



Ceiling Temperature Sensor

Part No.	Description	£
<b>Pockets (fit all Titan Products standard Immersion Sensors)</b>		
TPBP125	Brass Pocket 125mm	14.21
TPSP125	Stainless Steel Pocket 125mm	27.17
TPBP65	Brass Pocket 65mm	14.21
TPSP65	Stainless Steel Pocket 65mm	27.17

Part No.	Description	£
<b>Outside Temperature Sensors (Resistive)</b>		
TPTOS	10K3A1 Outside Sensor (IP65 enclosure)	15.26
TPAOS	10K4A1 Outside Sensor (IP65 enclosure)	20.69
TPHOS	20K6A1 Outside Sensor (IP65 enclosure)	20.69
TPOS/NI1000	NI1000 Outside Sensor (IP65 enclosure)	28.32
TPPT3OS	PT1000 Outside Sensor (IP65 enclosure)	20.69
<b>Outside Temperature Sensor (0-10V and 4-20mA)</b>		
TPVOS/50	0-10V Outside Sensor range -10+40°C (IP65 enclosure)	60.92
TPOS/50	4-20mA Outside Sensor range -10+50°C (IP65 enclosure)	67.40
<b>Solar Guard</b>		
TPSOLG	Solar Guard for Outside Sensors	12.02

Part No.	Description	£
<b>Ceiling Mounted Temperature Sensors</b>		
TPTCM65	10K3A1 Ceiling Mounted Temperature Sensor	60.61
TPACM65	10K4A1 Ceiling Mounted Temperature Sensor	62.70
TPHCM65	20K6A1 Ceiling Mounted Temperature Sensor	62.70
TPCM/NI1000	NI1000 Ceiling Mounted Temperature Sensor	64.79
TPPT3CM65	PT1000 Ceiling Mounted Temperature Sensor	62.70

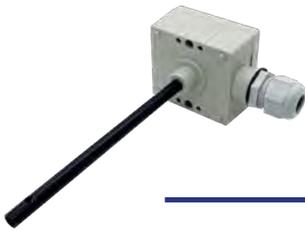
## Duct Temperature Sensors

Our Duct Temperature Sensor measures air flow temperature in duct work areas such as boiler rooms, plant rooms and chiller rooms. The sensor is supplied with either a 150mm or 300mm length probe and an IP65 enclosure, which is screwed closed to protect the sensor.

Special length duct sensors are available along with encapsulated duct sensors on request.



Duct Temperature Sensor 150mm



Duct Temperature Sensor 300mm

## Clamp-On Temperature Sensors

Our Clamp-on Temperature Sensor measures the liquid flow temperature in pipework, within low temperature hot water (LTHW) systems. Chilled water versions are also available which are treated to prevent moisture damage from condensation.

The sensor clamps to the pipework via the supplied banding with the sensing element mounted in the stud that sits against the pipework. It is supplied with an IP65 enclosure which is screwed closed to protect the sensor.

The standard banding is designed to fit pipe diameters of 25 – 125mm. Other banding options available on request.



Clamp-On Temperature Sensor

Part No.	Description	£
<b>Duct Temperature Sensors (Resistive)</b>		
TPTDS/S	10K3A1 Duct Sensor 150mm probe	19.65
TPTDS/L	10K3A1 Duct Sensor 300mm probe	21.74
TPADS/S	10K4A1 Duct Sensor 150mm probe	22.89
TPADS/L	10K4A1 Duct Sensor 300mm probe	26.13
TPHDS/S	20K6A1 Duct Sensor 150mm probe	22.89
TPHDS/L	20K6A1 Duct Sensor 300mm probe	26.13
TPDS/NI1000/S	NI1000 Duct Sensor 150mm probe	26.13
TPDS/NI1000/L	NI1000 Duct Sensor 300mm probe	28.32
TPPT3DS/S	PT1000 Duct Sensor 150mm probe	22.89
TPPT3DS/L	PT1000 Duct Sensor 300mm probe	26.13
<b>Duct Temperature Sensor (0-10V and 4-20mA)</b>		
TPVDS/40/S	0-10V Duct Sensor range 0+40°C (150mm probe)	82.66
TPVDS/40/L	0-10V Duct Sensor range 0+40°C (300mm probe)	67.40
TPDS/S/40	4-20mA Duct Sensor range -10+40°C (150mm probe)	82.66
TPDS/L/40	4-20mA Duct Sensor range -10+40°C (300 mm probe)	82.66
<b>Mounting Flange</b>		
TPDMF	Duct Sensor Mounting Flange	12.02

Part No.	Description	£
<b>Clamp-On Temperature Sensor (Resistive)</b>		
TPTCS	10K3A1 Clamp-On Sensor	26.13
TPACS	10K4A1 Clamp-On Sensor	32.60
TPHCS	20K6A1 Clamp-On Sensor	32.60
TPCS/NI1000	NI1000 Clamp-On Sensor	35.95
TPPT3CS	PT1000 Clamp-On Sensor	32.60
<b>Clamp-On Temperature Sensor for Chilled Water (Resistive)</b>		
TPTCS/R	10K3A1 Clamp-On Sensor for chilled water	31.56
TPACS/R	10K4A1 Clamp-On Sensor for chilled water	35.95
TPHCS/R	20K6A1 Clamp-On Sensor for chilled water	35.95
TPCS/NI1000/R	NI1000 Clamp-On Sensor for chilled water	39.19
TPPT3CS/R	PT1000 Clamp-On Sensor for chilled water	35.95
<b>Strap-On Temperature Sensor (0-10V and 4-20mA)</b>		
TPVCS/40	0-10V Clamp-On Sensor range -10+40°C	71.79
TPCS/40	4-20mA Clamp-On Sensor range -10+40°C	94.57

## Flying Lead Temperature Sensors

The Flying Lead Temperature Sensor is great for measuring the return and supply of air temperature in fan coils, VAV boxes and small duct applications or as floor limit sensor within underfloor heating applications. All standard Flying Lead Sensors are supplied using Low-Smoke Zero Halogen cabling.



**Flying Lead Temperature Sensor**



**Flying Lead Temperature Sensor with Stainless Steel Cap**

For applications that require more protection than the standard flying lead sensors. The cap is manufactured from high grade 316 stainless steel.



**Submersible Flying Lead Temperature Sensor**

For use in cold water storage tanks and is supplied within a completely waterproof, food safe grade sheathing that protects the sensor when fully submersed.

Part No.	Description	£
<b>Flying Lead Temperature Sensor</b>		
TPTVAV/S	10K3A1 Flying Lead 2 metre	10.50
TPTVAV/L	10K3A1 Flying Lead 5 metre	14.21
TPAVAV/S	10K4A1 Flying Lead 2 metre	12.02
TPAVAV/L	10K4A1 Flying Lead 5 metre	14.21
TPHVAV/S	20K6A1 Flying Lead 2 metre	13.06
TPHVAV/L	20K6A1 Flying Lead 5 metre	15.26
TPVAV/NI1000/S	NI1000 Flying Lead 2 metre	13.06
TPVAV/NI1000/L	NI1000 Flying Lead 5 metre	15.26
TPPT3VAV/S	PT1000 Flying Lead 2 metre	13.06
TPPT3VAV/L	PT1000 Flying Lead 5 metre	15.26
<b>Flying Lead Temperature Sensor with Stainless Steel Cap</b>		
TPTVAV/SS/S	10K3A1 Flying Lead c/w stainless steel cap 2 metre	17.45
TPTVAV/SS/L	10K3A1 Flying Lead c/w stainless steel cap 5 metre	20.69
TPAVAV/SS/S	10K4A1 Flying Lead c/w stainless steel cap 2 metre	17.45
TPAVAV/SS/L	10K4A1 Flying Lead c/w stainless steel cap 5 metre	20.69
TPHVAV/SS/S	20K6A1 Flying Lead c/w stainless steel cap 2 metre	17.45
TPHVAV/SS/L	20K6A1 Flying Lead c/w stainless steel cap 5 metre	20.69
TPVAV/NI1000/SS/S	NI1000 Flying Lead c/w stainless steel cap 2 metre	17.45
TPVAV/NI1000/SS/L	NI1000 Flying Lead c/w stainless steel cap 5 metre	20.69
TPPT3VAV/SS/S	PT1000 Flying Lead c/w stainless steel cap 2 metre	17.45
TPPT3VAV/SS/L	PT1000 Flying Lead c/w stainless steel cap 5 metre	20.69
<b>Submersible Flying Lead Temperature Sensor</b>		
Flying Lead Submersible Temperature Sensor made with food grade polyurethane tube. Temperature range -5 to +70°C		
TPVAV/SUB/2m (state element)	2 metre long with stainless steel cap (all elements)	35.00
TPVAV/SUB/5m (state element)	5 metre long with stainless steel cap (all elements)	40.00

# HUMIDITY SENSORS

Our 0-10V and 4-20mA humidity sensors are designed to measure relative humidity within room, outside and duct applications. All sensors provide a second 0-10V or 4-20mA and additional 10K3A1 resistive temperature output as standard.

## Gen 3 Room Temperature & Humidity Sensors

Our Humidity Sensors are designed to measure humidity and temperature conditions via 0-10V or 4-20mA outputs. The sensors are fitted with a 10K3A1 thermistor as standard with other resistive output options available on request.



Room Sensor - Slimline

## Outside Humidity Sensors



Outside Humidity Sensor

## Duct Humidity Sensors



Duct Humidity Sensor

Part No.	Description	£
<b>Room Temperature &amp; Humidity Sensors</b>		
TP-RS-RHT-V-10K3	Room Temperature & Humidity Sensor (dual 0-10V and 10K3A1 temp and 0-10V humidity) (Slimline)	97.08
TP-RS-RHT-MA-10K3	Room Temperature & Humidity Sensor (dual 4-20mA and 10K3A1 temp and 4-20mA humidity) (Slimline)	97.08
<i>Other element types available on request. Contact Titan Products for details and options.</i>		
Supplied as white as standard. For black enclosures add -B to end of part no.		+3.38

Part No.	Description	£
<b>Outside Humidity Sensors</b>		
TP-OS-RHT-MA-10K3	Outside Humidity (4-20mA) and Temperature (4-20mA) 10K3 thermistor also fitted*	147.87
TP-OS-RHT-V-10K3	Outside Humidity (0-10V) and Temperature (0-10V) 10K3 thermistor also fitted*	147.87
<i>*Other element types available on request. Contact Titan Products for details and options.</i>		

Part No.	Description	£
<b>Duct Humidity Sensors</b>		
TP-DS-RHT-MA-10K3	Duct Humidity (4-20mA) and Temperature (4-20mA) 10K3 thermistor also fitted*	134.81
TP-DS-RHT-V-10K3	Duct Humidity (0-10V) and Temperature (0-10V) 10K3 thermistor also fitted*	134.81
<i>*Other element types available on request. Contact Titan Products for details and options.</i>		

For Smart Sensors see pages 32-33

# AIR VELOCITY & AIR PRESSURE

The TPDPT8 and TPAVT8 range provide accurate and multi-range air velocity and air pressure measurement. Our 930 range of low cost differential pressure switching are used in HVAC systems to measure fan status and filter conditions.

## Air Velocity Transmitters

Offers two selectable ranges for measuring air velocity accurately within air ducts.



TPAVT8

Part No.	Description	£
<b>Air Velocity Transmitter 0-10V and 4-20mA output</b>		
TPAVT8/10	2 ranges 0-5m/s and 0-10m/s Air Velocity Transmitter	135.85
TPAVT8/10/D	2 ranges 0-5m/s and 0-10m/s Air Velocity Transmitter c/w Display	211.93
TPAVT8/10/IP65	2 ranges 0-5m/s and 0-10m/s Air Velocity Transmitter c/w IP65 housing	157.59
TPAVT8/28	3 ranges 0-15m/s, 0-20m/s and 0-28m/s Air Velocity Transmitter	135.85
TPAVT8/28/D	3 ranges 0-15m/s, 0-20m/s and 0-28m/s Air Velocity Transmitter c/w Display	211.93
TPAVT8/28/IP65	3 ranges 0-15m/s, 0-20m/s and 0-28m/s Air Velocity Transmitter c/w IP65 housing	157.59



Multi-Point Probe

Part No.	Description	£
<b>Air Velocity Probe Multi-Point Probe</b>		
TPVPMP/100	Air Velocity Multi-Point Probe - 100mm	29.36
TPVPMP/200	Air Velocity Multi-Point Probe - 200mm	31.56
TPVPMP/300	Air Velocity Multi-Point Probe - 300mm	33.75
TPVPMP/400	Air Velocity Multi-Point Probe - 400mm	35.95
TPVPMP/500	Air Velocity Multi-Point Probe - 500mm	38.04

## Differential Pressure Transmitters

All TPDPT8 transmitters have selectable pascal ranges to suit different applications and provide accurate differential pressure monitoring. The standard sensor housing is IP51 rated with an option for LCD display. An IP65 rated TPDPT8 is also available.



TPDPT8



TPDPT8 with Display



TPDPT8 IP65 Enclosure

## Differential Pressure Switches

Our 930 range of low differential pressure switches are used in air conditioning systems to measure fan status and filter conditions.



930-80-ATP-300

Part No.	Description	£
<b>Differential Air Pressure Transmitters with Positive/Negative Selection</b>		
TPDPT8/125	4 ranges 0-25, 0-50, 0-100, 0-125Pa with Positive/Negative selection	124.98
TPDPT8/125/D	4 ranges 0-25, 0-50, 0-100, 0-125Pa with Positive/Negative selection c/w display	211.93
TPDPT8/125/IP65	4 ranges 0-25, 0-50, 0-100, 0-125Pa with Positive/Negative selection c/w IP65 enclosure	157.59
TPDPT8/500	4 ranges 0-200, 0-300, 0-400, 0-500Pa with Positive/Negative selection	124.98
TPDPT8/500/D	4 ranges 0-200, 0-300, 0-400, 0-500Pa with Positive/Negative selection c/w display	211.93
TPDPT8/500/IP65	4 ranges 0-200, 0-300, 0-400, 0-500Pa with Positive/Negative selection c/w IP65 enclosure	157.59
<b>Differential Air Pressure Transmitters with Positive/Negative Selection</b>		
TPDPT8/2500	4 ranges 0-1000, 0-1500, 0-2000, 0-2500 with Positive/Negative selection	124.98
TPDPT8/2500/D	4 ranges 0-1000, 0-1500, 0-2000, 0-2500 with Positive/Negative selection c/w display	211.93
TPDPT8/2500/IP65	4 ranges 0-1000, 0-1500, 0-2000, 0-2500 with Positive/Negative selection c/w IP65 enclosure	157.59
<b>Sensor Accessories</b>		
TP/TUBE/4mm	PVC clear tube for use with TPDPT8/125 or 500, including HA models (price per metre)	2.72
TP/TUBE/5mm	PVC clear tube for use with TPDPT8/2500 Transmitters (price per metre)	2.72
TP/P-ADT	Plastic Duct Adaptor for PVC tube (price each)	4.08
TP/CALCERT	Calibration Certificate	25.00

Part No.	Description	£
<b>Differential Air Pressure Switches</b>		
930-80-ATP-300	Range 20-300 Pascals	25.18
<b>Differential Air Pressure Switches with IP65 Housing</b>		
930-80-ATP-300/IP65	Range 20-300 Pascals (IP65 option)	43.37
<b>Mounting Brackets</b>		
930-BRACKET-L/M	Metal 930 Bracket	3.45
930-BRACKET-L/P	Plastic 930 Bracket	4.08

# LIGHT LEVEL

Our external light level sensors are designed for installation in commercial and industrial properties. They're designed to sense light levels and provide a scaled output.

## External Light Level Transmitters



External Light Level Transmitter

Part No.	Description	£
<b>External Light Level Transmitters</b>		
TPVLLO	External Light Level Transmitter (IP65 enclosure 0-10V output, range selectable)	70.00
TPLLO	External Light Level (IP65 enclosure 4-20mA loop output, range selectable)	70.00

# LIQUID DETECTION

Our liquid detection range comprises of a Liquid Detection Module and sensors such as our rain detection sensor. Upon detecting liquid the module provides a switched output allowing an alarm to be raised.

## Liquid Flood/Rain Detection



**LDM1**

This module is available in 24V or 240V supply versions and can be used with sensors specifically made to operate with conductive liquids.



**TPRD1**

Detects the presence of rain and incorporates a heater to evaporate any residual moisture after a rainfall, which speeds up the dry detection rate.

Part No.	Description	£
<b>Liquid Detection Modules</b>		
LDM1/24	Liquid Detection Module with single changeover relay for rain/flood applications 24V supply	70.64
LDM1/240	Liquid Detection Module with single changeover relay for rain/flood applications 240V supply	99.00
<b>Flood Detection Probe</b>		
TPFD/P	Liquid/Flood Detector Probes stainless steel with IP65 termination box	45.00
<b>Rain Detectors</b>		
TPRD1	Rain Detector IP65 housing for use with LDM modules	39.00
TPRD1/A	Rain Detector IP65 housing compatible with our Natural Ventilation BACnet controllers	96.77

# IO MODULES

We manufacture a wide selection of IO Modules including digital input modules, analogue output modules, analogue to relay output modules, digital output relay modules and single/double pole relays.

## Digital Output Modules



**IO/DIM4**

Converts 4 digital input signals into a single multiplexed/analogue output



**IO/DIM6-8**

Converts 6 or 8 digital input signals into a single multiplexed 0-10V or 4-20mA output

Part No.	Description	£
<b>Digital Input Multiplexers</b>		
IO/DIM4	4 x Volt free Digital inputs providing 0-10V output (24V AC or DC supply)	40.23
IO/DIM6-8	6 or 8 Volt free Digital inputs providing 0-10V or 4-20mA output (24V AC or DC supply)	58.73

## Analogue Output Modules



**IO/AX4.1**

Converts a 0-10V input signal to 4 x 0-10V outputs in parallel or 3 outputs in sequence



**IO/AX4.1S**

Converts a 0-10V input signal to 2, 3 or 4 x 0-10V outputs operating in sequence

Part No.	Description	£
<b>Analogue Output Modules</b>		
IO/AX4.1	0-10V input to 4 x 0-10V outputs in unison or 3 outputs in sequence (24V AC/DC supply)	88.09
IO/AX4.1/S	0-10V input selectable 2, 3 or 4 x 0-10V outputs in sequence (24V AC/DC supply)	88.09

## Analogue to Relay Output Modules



**IO/1RM**

Converts a 0-10V signal to digital relay control with a fixed switching point



**IO/ARM**

Converts a 0-10V signal to digital relay control with an adjustable switching point



**IO/2RM**

Converts a 0-10V control signal to 2 stage digital relay switching



**IO/RM3**

Converts a 0-10V control signal to 3 stage digital relay switching

Part No.	Description	£
<b>Analogue to Relay Output Modules</b>		
IO/1RM	0-10V Signal Providing Single Relay Control (24V AC or DC supply)	22.89
IO/ARM	0-10V Signal with Adjustable Switching Relay and slave 0-10V (24V AC or DC supply)	32.60
IO/2RM	0-10V Signal Providing Raise/Lower, High/Low, Binary and TPC Control (24V AC or DC supply)	45.67
IO/RM3	0-10V Signal Input Providing 3 Stage Control or Heat/Cool Control (24V AC/DC supply)	51.10

## Digital Output Relay Module



**IO/DOM4**

Converts a 0-10V control signal to 4 x volt free relay outputs

Part No.	Description	£
<b>Digital Output Relay Modules</b>		
IO/DOM4	0-10V Signal Binary and Sequence of 4 volt free Changeover Relays (24V AC/DC supply)	71.79

## Window Actuator Positioning Module



**IO/AD3W**

Provides an interface between the 0-10V control signals and DC reverse operation/actuators

Part No.	Description	£
<b>Window Actuator Positioning Module</b>		
IO/AD3W/5-75	Window Actuator Positioning Module. Converts 3 x 0-10V inputs to 3 x 24VDC Drive outputs. Drive time of 5-75 seconds.	130.42
IO/AD3W/20-100	Window Actuator Positioning Module. Converts 3 x 0-10V inputs to 3 x 24VDC Drive outputs. Drive time of 20-100 seconds.	130.42
IO/AD3W/30-110	Window Actuator Positioning Module. Converts 3 x 0-10V inputs to 3 x 24VDC Drive outputs. Drive time of 30-110 seconds.	130.42

## Single & Double Pole Relays

Our single relay modules can be used to isolate controller outputs for switching plant and equipment. The single relay modules are available with single and double pole changeover contacts and with various coil voltages.



**SRM/SP**

Single pole Switching Relay

Part No.	Description	£
<b>Single Relays</b>		
SRM/SP/12DC	Single pole Switching Relay rated 8 amp inductive (12V DC supply)	8.15
SRM/SP/24AC	Single pole Switching Relay rated 10 amp inductive (24V AC supply)	8.15
SRM/SP/240AC	Single pole Switching Relay rated 10 amp inductive (240V AC supply)	11.50

<b>Double Pole Relays</b>		
SRM/DP/12DC	Double pole Switching Relay rated 5 amp inductive (12V DC supply)	9.30
SRM/DP/24AC	Double pole Switching Relay rated 5 amp inductive (24V AC supply)	9.30
SRM/DP/240AC	Double pole Switching Relay rated 5 amp inductive (240V AC supply)	14.21

# POWER SUPPLIES

Titan Products provide a low cost power supply module used to provide 24V AC for low voltage control applications.

## Power Supplies

240V power supply to provide 24V AC for various low voltage control applications. Incorporates fuse protection with a self resetting fuse. Rated at 12VA at 24V.



**240AC/24AC/12VA**

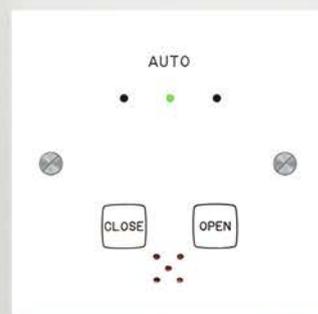
Din Rail Mounted Power Supply

Part No.	Description	£
<b>Power Supplies</b>		
240AC/24AC/12VA	240V to 24VAC Power Supply (12VA) DIN rail mounted	57.68

# STANDALONE INTERFACES

We offer a wide range of standalone user interfaces ranging from simple extension timers to remote alarm panels.

Bespoke interfaces are also available on request. Contact Titan with your requirements.



## Extension Timer

Designed to extend the normal run-time period of a system, the touch sensitive extension timer operates a set of normally open volt free contacts.



TPEXT1

## Window Positioning Unit

Designed to be used as a user interface in conjunction with Titan Products natural ventilation BACnet controllers. The flush single gang plate is designed to override the window or ventilation position within a natural ventilation system.



TP/ACO

## Remote Alarm Panel

The RMP incorporates an audible and visual LED indication when an alarm is present with a push button to mute the audible alarm.



RMP/24

Part No.	Description	£
<b>Extension Timers</b>		
TPEXT1/6/24V	0-6 hour Extension Timer with VFC relay, LED indication & remote start option 24V supply	75.00

Part No.	Description	£
<b>Window Positioning Unit</b>		
TPRS/ACO/W	Window positioning unit, white surface mounted room enclosure closed/auto/open	99.00
TP/ACO/F/W	Window positioning unit, white flush mounted closed/auto/open	99.00

Part No.	Description	£
<b>Remote Alarm Panel</b>		
RMP/24	24V AC wire, LED, buzzer, mute button, delay setting.	88.00



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