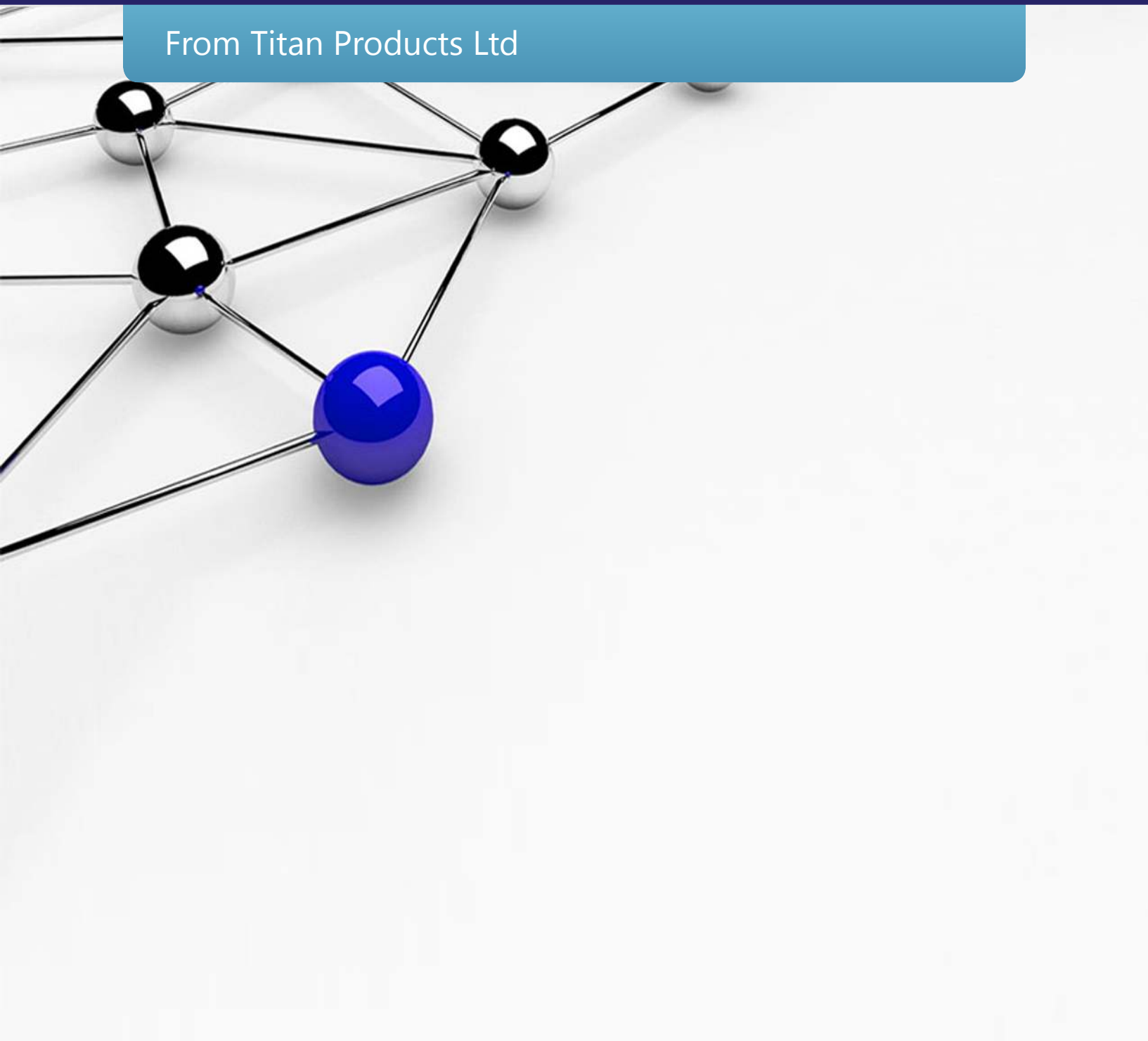


TPZ-Net Wireless Solution

From Titan Products Ltd



A Complete Wireless Solution

The TPZ-Net range offers battery powered, wireless sensing solutions for temperature, CO2, humidity, light level and occupancy and connects these devices onto a BACnet or Modbus building management system (BMS).

After being paired via the commissioning software, all sensing devices communicate wirelessly to the Titan Products Co-ordinator, directly exposing the data onto either a BACnet MS/TP or Modbus RTU network for instant access via the BMS or network controller. The solution benefits from mesh networking when powered repeaters are added allowing the sensors to send their environmental data to the Co-ordinator via the strongest network route.

By utilising the TPZ-Net solution, customers can benefit from drastically reduced install costs through the removal of sensor cabling, flexibility of sensor placement if the building makeup is changed, and above all interoperability and visibility at a network level through the open BACnet or Modbus communications.

TPZ-Net Features

- Zigbee wireless technology
- Reduced on site wiring costs
- Quick and easy installation
- BACnet MS/TP or Modbus connectivity via Co-ordinator
- Up to 30 wireless sensors on one network
- Battery life of up to 5 years
- Up to 30-60m indoor signal strength (depending on building type)



Easy to set up using bespoke PC software



Reduced wiring costs and easy installation



Long battery life of up to 5 years



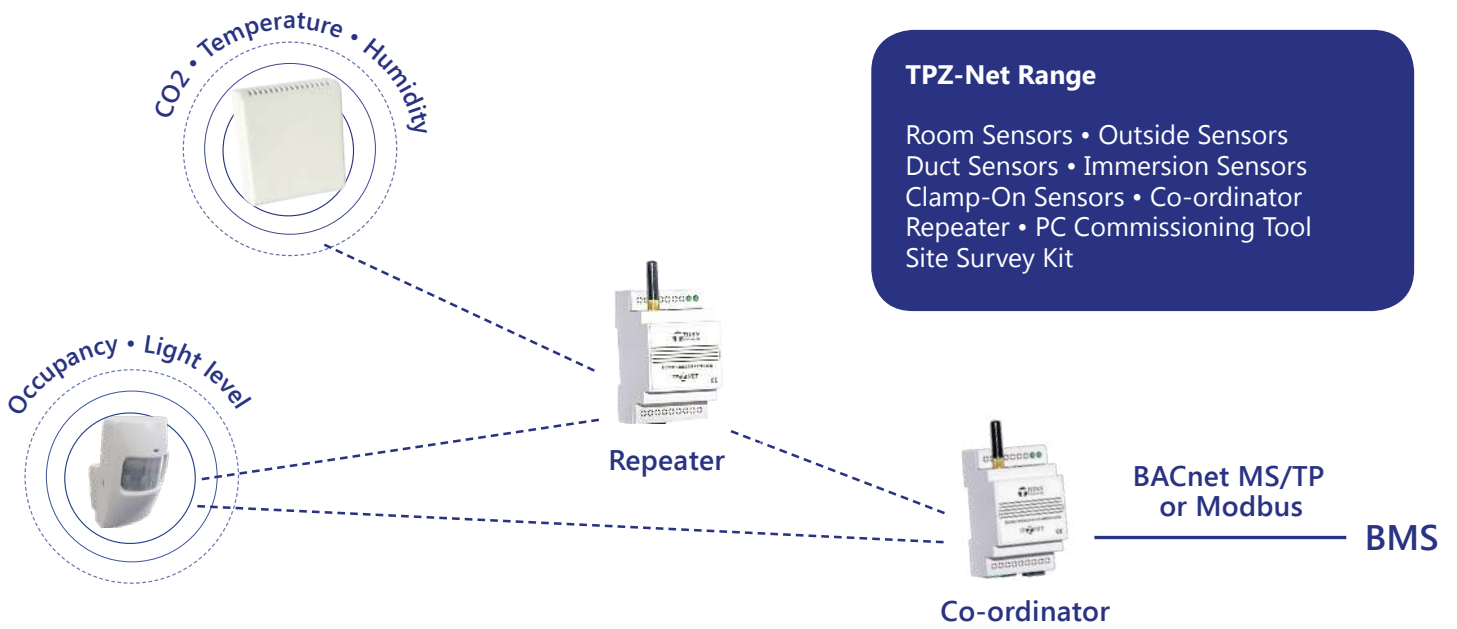
Site Survey Kit

A hand held, battery powered Site Survey Kit is available to allow testing of the signal strengths around the building even before power is available. The two-piece site survey kit, comprising of a hand held transmitter and re-chargeable receiver, allows the user to easily test the signal strengths of all sensor types by giving a simple traffic light LED indication of signal strength at the push of a button.



Easy setup through PC software

All sensors are linked to a network co-ordinator via our own bespoke PC commissioning software which is simple and intuitive to use. Wireless networks can be quickly and easily setup, reducing install time, while it is extremely easy to add, remove, replace or edit sensor settings using the software.



Ability to add mesh networking capabilities

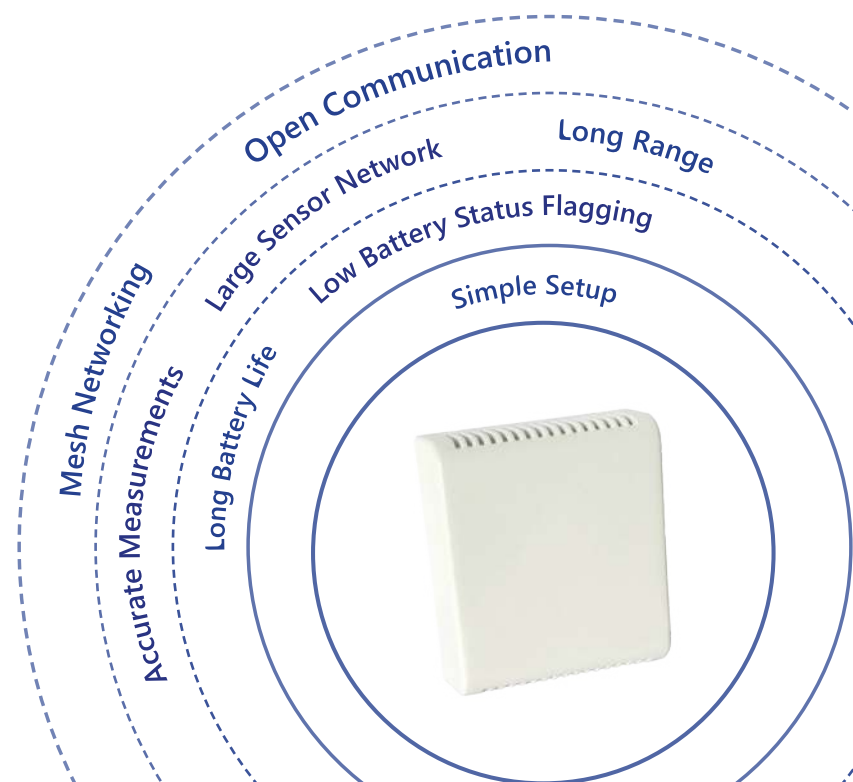


Up to 99 sensor points from 30 TPZ-Net devices



BACnet MS/TP and Modbus connectivity

All battery powered wireless devices within the TPZ-net range offer a long battery life of up to five years allowing for maintenance costs to be minimised. The Co-ordinator will receive low battery information from the sensor network and expose this data on to the BMS network. This allows for reactive maintenance with the BMS knowing when batteries need replacing prior to the sensors going offline.



Titan Products Ltd. 15 Latham Close, Bredbury Park Ind. Estate,
Stockport, Cheshire SK6 2SD

Tel: +44 (0)161 406 6480 **Email:** sales@titanproducts.com

 Follow Titan Products on Twitter [@titanproducts](https://twitter.com/titanproducts)