

TPZ/REPEATER

TPZ-Net Repeater



The TPZ-Net Repeater from Titan Products is designed to expand the distance between field devices and the TPZ-Net Co-ordinator while adding mesh networking capabilities to the network.

If the field devices are out of range from the TPZ-Net Co-ordinator, a repeater can be used to route the information from the field devices to a TPZ-Net Co-ordinator or another TPZ-Net Repeater.

Housed in a DIN rail enclosure, each router can route information from up to 99 sensor points from a maximum of 29 field devices.

The TPZ-Net Repeater can be set up using Titan Products bespoke PC software.

The TPZ-Net Repeater will count as one of the 30 devices a TPZ-Net Co-ordinator can handle on the network.

The TPZ-Net Repeater can be supplied in a pre-wired enclosure complete with a compatible power supply if required. Contact Titan Products for more details.

SPECIFICATION

Power Supply	24V AC/DC (+/- 10%)
Power Consumption	60mA
Network Technology	Zigbee
Frequency	2.4GHz
Output	BACnet MS/TP or Modbus
Transmission Range	30-60m indoor (depending on building type) 200m outdoor (line of sight)
Mounting	DIN rail
Dimensions (mm)	90 x 55 x 58
Country of Origin	UK
Product Codes	TPZ/Repeater

Note: It is strongly recommended a site survey is carried out prior to installing a TPZ-Net system.



TPZ-NET RANGE

- Room Sensors: Temperature, Humidity & CO2
- Co-ordinator
- Repeater
- PC Commissioning Tool
- Site Survey Kit

THE SYSTEM

● Sleepy End Devices (SEDs)

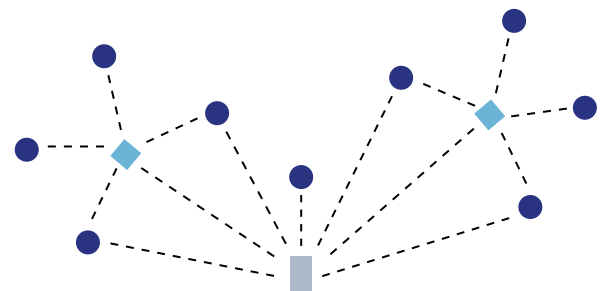
Transmit their sensor data points periodically. SEDs can not route messages from other SEDs.

■ Repeaters

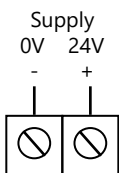
Required for mesh networking. Permanently powered, they forward messages from SEDs.

■ Co-ordinator

Collect information from SEDs and Repeaters, transferring data to a BMS via BACnet MS/TP or Modbus communications.



CONNECTIONS



COMMISSIONING

The TPZ-Net range of wireless sensors and co-ordinators are commissioned using Titan Products bespoke software.

For install and setup information please contact technical@titanproducts.com