

# TPZ-Net Site Survey Kit



The TPZ-Net Site Survey Kit is a two piece solution for monitoring wireless signal strengths prior to installing a TPZ-Net Zigbee wireless system into a building.

The easy to use Site Survey Kit comprises of two units which are both battery powered - the TPZ-SST Transmitter and the TPZ-SSR Receiver.

The TPZ-SST is a hand held unit which transmits a signal to the TPZ-SSR up on a button press. The signal strength between the two units is analysed and an LED read out on the TPZ-SST illustrates the signal strength rating it as Good, Weak or None.

A 'Toggle Mode' button is used to select the aerial type required for the test. The outside and plant sensors in the TPZ-Net range utilise an external aerial, while the room sensors use the internal aerial. Please see the operation section below for more details.

Site Survey Kit perfect for surveying buildings that do not yet have power as the TPZ-SST uses 2 x 1.5V AA alkaline batteries. The TPZ-SSR uses a rechargeable 3.6V battery and is supplied with a wall plug-in charger. A universal DC power adaptor (complete with UK, European and US plug fittings) is supplied so you can choose the plug needed depending on location.



## Operation

- 1) Turn on the TPZ-SSR receiver first. Please ensure the battery is charged enough to perform your site survey test.
- 2) If using for the first time insert the supplied batteries into the TPZ-SST. Each LED will flash in sequence for approximately 30 seconds while the TPZ-SST joins the same network as the TPZ-SSR. A test cannot be performed whilst this is happening. When the sequence stops, the unit is ready to perform a test.
- 3) Select which aerial type you wish to test. The push button marked 'Toggle Mode' is to be used to select between the chip antenna type of device used on indoor sensors and the external antenna which is mainly used for outdoor and plant room sensors. Pushing this button will flash the associated LED 3 times to indicate which type is being tested.
- 4) To perform a test, press the 'Test' button to start the signal strength test. The selected antenna's LED light will flash again and the result of the test will be seen within a few seconds. Once the Site Survey is complete turn off the TPZ-SSR to save battery charge.

## Specification

Power Supply:	TPZ-SST: 2 x 1.5V AA alkaline batteries
	TPZ-SSR: 3.6V rechargeable battery
Battery Life:	TPZ-SST: Up to 65 hours of continuous use
	TPZ-SSR: Up to 16 hours per charge
TPZ-SSR Charge Time:	4 hours
Material:	IP20 flame retardant polycarbonate
Dimensions:	TPZ-SST: 82mm x 170mm x 25mm
	TPZ-SSR: 73mm x 125mm x 45mm
Country of Origin:	UK
Product Codes:	TPZ-SSK (full kit)
	TPZ-SST (hand held transmitter)
	TPZ-SSR (rechargeable receiver)

**Note:** It is strongly recommended a site survey is carried out prior to installing any wireless sensors



## LED indication for TPZ-SSR

Solid green	Power ON, charging
Solid red	Power OFF, charging
Green flash every 5 seconds	ON, not charging and battery OK
Red flash every 5 seconds	ON, not charging and battery LOW
Green flash every 1 second	Power ON, charge complete
Red flash every 1 second	Power OFF, charge complete

## LED indication for TPZ-SST

Green	Good signal
Yellow	Weak signal (repeater may be required)
Red	No signal (device out of range)