



# TS2506 Smart Solar Powered Pedestrian Crossing (Belisha) Beacon with TS2509 Additional Panel Kit

## INSTALLATION INSTRUCTIONS

### IN THE BOX:

- 1 x TS2506 Smart Solar Powered Belisha Beacon with Solar Panel Kit
- 1 x TS2509 Additional Panel Kit
- 1 x Power Switch Pin
- 2 x 5.5mm x 40mm self-tapping screw
- 2 x Self-Stripping Electrical Pigtail Connectors

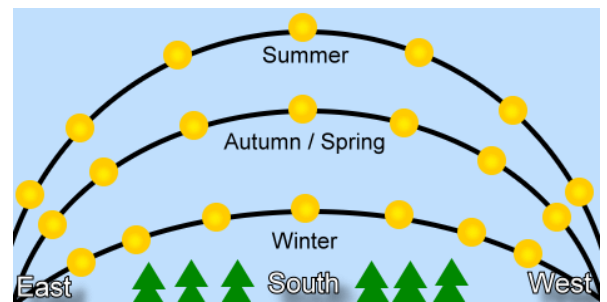
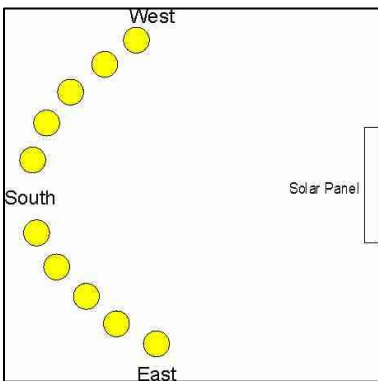
### TOOLS REQUIRED:

- Electric Drill
- 4mm Metal Drill Bit
- 8mm Socket
- 13mm Spanner
- Pliers or Mole Grips

The Beacon is fully assembled and charged at the factory for immediate operation. Should the beacon be placed in storage for more than 3 weeks it will need to be left to charge in direct sunlight for one whole day before it can be installed. Please ensure the beacon is switched on and is facing in a southerly direction.

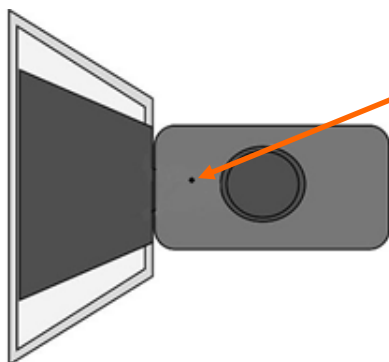
### POSITIONING THE BEACON:

The Beacon requires as much direct sunlight as possible; this particularly applies for the months November through to February when the sun does not rise as high in the sky. For this reason, please avoid directing the solar panel towards any obstructions including high fencing and trees.

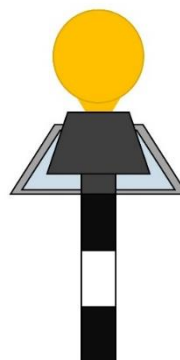


To position the beacon, please stand in the beacons intended location facing south (use the compass provided). Follow the arc of the sun, which travels east to west, to decide the least obstructed direction to position the solar panel.

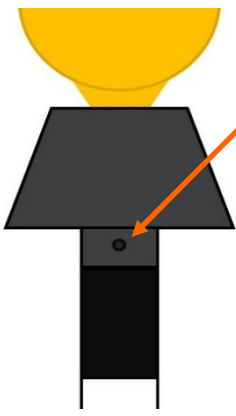
### INSTALLATION:



1. Switch the unit on by inserting the pin provided, into the hole in the base (you should hear an audible click) and the unit will commence flashing.



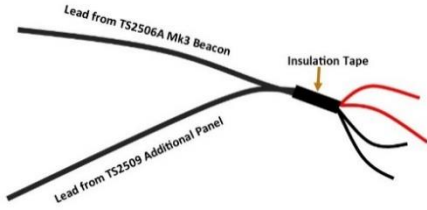
2. Mount the beacon on top of the pole with the solar panel facing in the correct position (as per the 'Positioning the Beacon' instructions above).



**3.** Drill two 4mm holes as a guide, into the pole, to line up with the mounting holes in the base of the Beacon. Use the 8mm socket and drill to fix the self-tapping screws provided into the holes to secure the Beacon.

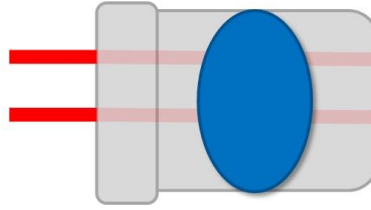


**4.** The TS2509 additional panel kit can now be positioned on the pole. The panel should face in the same direction as the panel attached to the beacon. Disconnect the nuts and washers from the bolts to detach the fixing bracket. Re-attach once the panel is in position and tighten the nuts securely, with a 13mm spanner, to ensure the panel does not move.



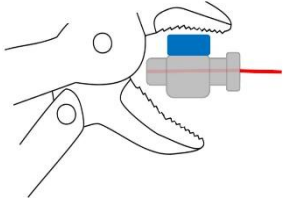
**5.** Now find the leads from the TS2506Smart Beacon and the TS2509 Additional

panel (they are normally tucked into the backs of the solar panels for transport). Tape the 2 cables together with insulation tape towards the end of each cable.

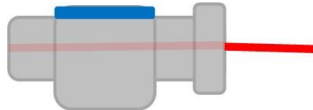


**6.** Insert the **2 red wires** into the Pigtail Connector. **DO NOT STRIP THE INSULATION OFF THE WIRES.**

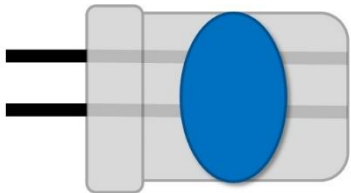
Ensure the wire is fed right to the end of the connector.



**7.** Now use your pliers or mole grips to squeeze the Pigtail Connector together to secure the wires. Some jelly may ooze out when this happens.



**8.** If the blue top of the Pigtail Connector is pushed right down the wires should be secure.



**9.** Repeat steps 6-8 with the 2 black wires.

**10.** Once the cables are connected – tuck them behind the bracket of one of the solar panels to ensure they do not get damaged or pulled accidentally. They could be secured with a cable tie.

#### MAINTENANCE:

The Beacon requires little maintenance – but we do recommend that it is wiped clean every 6 months.

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