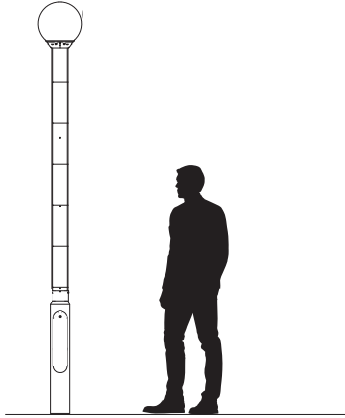


	KG	WINDAGE
ZEBSTAR	14.00kg	0.72m ²
ZEBSTAR+	14.75kg	0.74m ²



ZEBSTAR+ High Viz Beacon

CROSSAFE RETROFIT

Contents

Accessory Bag

Contents

Magnet

4 x transformer mounting screws

6 x Hole caps.

CROSSAFE RETROFIT Transformer

- Disconnect from the supply when conducting in-situ insulation resistance testing.
- If the external flexible cable or cord of this beacon is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.
- The light source (LED's) contained in this beacon shall only be replaced by the manufacturer or his service agent or a similar qualified person.

SAFETY FIRST

Isolate the electrical supply before commencing any installation or maintenance work. Wiring should be carried out in accordance with the latest IEE regulations by suitably qualified engineers.

This equipment is designed for 24 volt AC operation and must be used with a suitable transformer when connected to the mains supply. .

TOOLS REQUIRED

- 4mm Allen Key
- Philips Screwdriver

1

Prepare the host post by removing any existing equipment. Ideally the length of the 76mm shaft should be a maximum of 1874mm from the top to a point on the swage which is 115mm diameter. Don't worry if the shaft is shorter.

If after step 2 there is a gap between the bottom of the retrofit module and the host post, measure the vertical distance of the gap and shorten the post by this amount.

2

Take the retrofit module and using suitable lifting equipment raise the open end above the host post. Begin to feed the low voltage cable down the host post as the retrofit module is passed over the post. Continue to support the retrofit module until it bottoms out on the swage of the post.

Locate the 6 fixing screws located in each side of the retrofit module.

Check the orientation of the retrofit module then tighten the 6 fixing screws onto the host post using a 4mm allen key. Use the 6 hole caps supplied to plug the fixing screw holes.

3

Move to the base compartment of the host post and fix the beacon transformer onto the column board using the four screw provided.

Connect the beacon supply cable to the power supply using the supplied connector. Coil and secure any excess cable neatly in the base housing.

Connect the transformer input cable to the incoming power supply at the fused cut-out.

Re-connect the electric supply and replace the base door. Check that the retrofit module operates correctly.

4

Synchronising Beacons.
Several beacons may be synchronised by powering up at the same time or timing the powering of one beacon to match the other.*

ZEBSTAR+ Beacon
The intensity of the Bee Seen Hi-Viz beacon is factory set to medium power. Please see over for instructions on how to adjust the brightness should this be required.

CROSSAFE White Band Daytime Brightness
The brightness of the Bee Seen Illuminated Post is factory set to medium power. Please see over for instructions on how to adjust the brightness should this be required.

*Dependent upon mains quality

BEE SEEN ZEBSTAR+ BEACON BRIGHTNESS ADJUSTMENT

The Bee Seen ZEBSTAR+ beacon has an adjustable array brightness which is independent between front and back. Follow the steps below to access the controls and make the adjustment.

SAFETY FIRST

Isolate the electrical supply before commencing any installation or maintenance work. Wiring should be carried out in accordance with the latest IEE regulations by suitably qualified engineers.

This equipment is designed for 24 volt AC operation and must be used with a suitable transformer when connected to the mains supply.

TOOLS REQUIRED

- 4mm Allen key
- Small terminal screwdriver.

1

The first step is to remove the beacon globe which will allow access to the brightness adjustment controls.

To do this, locate the four Beacon fixing screws which should be loosened with the 4mm Allen key.

When loosened fully, lift off the beacon globe. The screws are retained in the beacon gallery.

2

Identify the control board in the base of the beacon gallery and locate the array adjustment controls. There are two controls, each offering 8 levels of adjustment to the front and back projection. Note the white arrows printed on the board indicate which side of the beacon will be adjusted by each control.

The table below shows the level brightness for each setting.

Rotate the control with a small flat screwdriver to the desired setting.

The setting can be checked visually before replacing the beacon globe by temporarily powering up the beacon.

Take care to protect eyes when performing the check.

3

Replace the beacon globe onto the gallery with the moulding seam running from side to side. Check that the sealing 'O' ring has not been dislodged and reposition in its groove if required.

Re-tighten the four globe fixing screws to secure the globe in place.

Re-connect the electric supply and replace the base door. Check that the beacon operates correctly.

BRIGHTNESS LEVEL SETTINGS

LEVEL	Output Brightness (cd/m ²)	
	DAY	NIGHT
0	OFF	OFF
1	1160	OFF
2	761	761
3	980	761
4	1160	761
5	1473	761
6	1503	761
7	1570	761

BEE SEEN CROSSAFE BRIGHTNESS ADJUSTMENT

The white band illumination brightness can be adjusted to suit site conditions to make the post more visible to drivers.

Hold the supplied magnetic wand on the marked area within the lowest black band. A red dot will illuminate on the display to show that the system is active. After around 10 seconds the display will illuminate to show the current lighting level. Swiping the magnet across the area will advance the lighting level making the post brighter. When level 7 is reached, a further swipe will return to setting 0.

When the desired level is selected remove the magnet and after a short delay the display will flash indicating that the new level has been stored. At this point the post may dim slightly which will be the post responding to the ambient lighting conditions.

Repeat the process on both sides of the post which are independent from each other.

LEVEL	White band Brightness (cd/m ²)	
	Daytime	Night-time
0	OFF	OFF
1	300	600
2	600	600
3	720	600
4	840	600
5	960	600
6	1080	600
7	1200	600