simmonsigns

Midustar
Installation Guide

IP 56 | LOW VOLTAGE | LED | Recyclable | CE

SAFETY FIRST

Isolate the mains electrical supply before commencing installation.

To avoid dropping this product, use high grip safety gloves when handling.

All electrical work must be carried out in accordance with the latest IET wiring regulations (BS7671) by suitably qualified engineers.

It is the installers responsibility to ensure the suitability and integrity of the column being drilled for the beacon. It is also recommended that any drill hole is finished with a galvanising spray.

TOOLS REQUIRED

Tri-head Key
Terminal (2mm x 50mm) Screwdriver

76MM MIDUSTAR

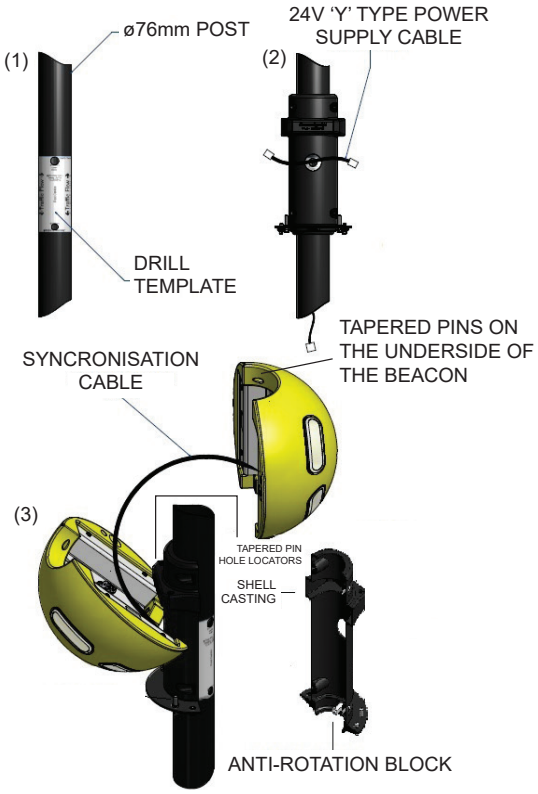
Before installation, the MiduStar you receive will need to be disassembled. Please refer to the section. ‘Upgrade from Midubel to MiduStar’.

1. Apply the supplied self-adhesive drill template to the 76mmm post facing the traffic. Machine holes in the post as indicated on the template. De-burr and surface protect machined holes.

2. Take the two shell castings and identify the anti-rotation block. Clamp the shells around the post using the pre-fitted 4x M6 socket cap screws ensuring that shells are aligned with each other and the anti-rotation block engages in the lower hole indicated on the template. Feed the ‘Y’ type cable through the upper hole and down the post into the column base enclosure.

3. Pass the 2 beacons around the post and plug each half into the ‘Y’ type lead. Hook the beacons onto the casting by locating the tapered pins into the holes on the casting, then push down.
   Note: - The beacon split line aligns with the shell casting split line.
   Tighten the Tri-head screws at the base of the castings using a Tri-head key to 6Nm.
   Note: - Fully tighten Tri-heads ensuring that both the beacon halves seat firmly onto the lower cast flange.

4. Mount the transformer unit in the column base using the fixing screws provided. Connect the mains input cable from the transformer to the incoming 230 Volts AC mains supply at the fused cut-out. Plug the cable from the beacon into the output lead of the transformer. Coil any excess cable in the base compartment and tie up neatly.



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UPGRADE FROM MIDUBEL TO MIDUSTAR

(A) Before fitting the beacon it will be necessary to remove the old globe by removing the Tri-head screws at the base of the castings and lifting the beacon halves up and away at the same time as disconnecting the two ends of the 'Y' type cable.

(B) Follow the above procedure parts (3) & if necessary replace the transformer part (4).

Note: Upgrade units will be provided with 2 to 3 way convertors to ensure backward compatibility.

CHANGING THE LIGHT OUTPUT MIDUSTAR

Only required if light output is to be modified from the factory setting position of 0.

Undo the Tri-head screws under the beacon until the beacon will lift up and away from the post.

WARNING: Disconnect the power cables before lifting the beacon off the bracket. You will see on the backplate to each beacon half a label with MiduStar LED Array Adjustment. Remove the rubber bungs in turn by pulling on the centre tab and then the bung body.

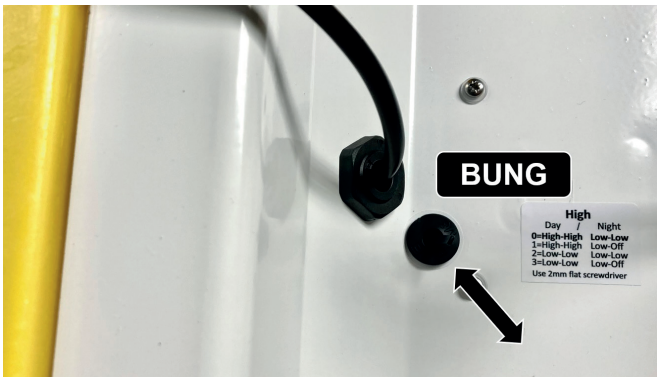
Note: Adjustment will depend on whether you ordered your beacon in High or Low mode (Default delivery is High Mode, Level 0). Removing the bung will reveal an access hole to a four position rotary switch (0-3) switch which controls the LED illumination units. Using a small terminal screwdriver turn the switch through the four positions to achieve the light level desired. Note: The levels can be set independently in either half, see the table for examples.

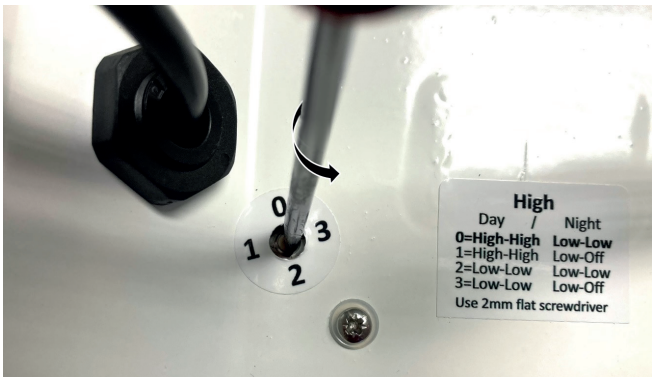
HIGH	DAY		NIGHT	
Mode	**Globe**	**Arrays**	**Globe**	**Arrays**
0	100%	100%	60% N	60% N
1	100%	100%	60% N	Off
2	100%	60% N	60% N	60% N
3	100%	60% N	60% N	Off

Key: N = Nominal

LOW	DAY		NIGHT	
Mode	**Globe**	**Arrays**	**Globe**	**Arrays**
0	60% N	100%	60% N	60% N
1	60% N	100%	60% N	Off
2	60% N	60% N	60% N	60% N
3	60% N	60% N	60% N	Off

Key: N = Nominal





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