

SIGNMASTER LED 24V INSTALLATION KIT INSTRUCTIONS



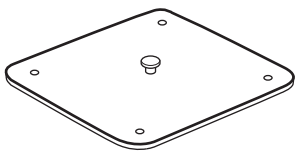
Ensure that personnel carrying out this conversion have the relevant qualifications/certificates and all work is carried out in accordance with BS6771:2008/I.E.E. Wiring Regulations 17th Edition. Ensure that all relevant personnel read the points listed within this leaflet and that a copy is given to staff involved with the installation and maintenance of this product. Glasdon recommends that a full Health and Safety analysis is carried out prior to installation.

KIT CONTENTS

1 - Signmaster Bollard	x1
2 - M10 x 100 Screw	x4
3 - M10 x Ø50 White Washer	x4
4 - Spacer	x1
5 - Gasket	x1
6 - LED Housing	x1
7 - Concrete-In Plate	x1
8 - M10 x 70 Hex Head Bolt	x4
9 - M10 x Ø50 Silver Washer	x4
10 - Concrete-In Bars	x2
11 - IP68 Plug	x1

Allen Key 6mm x1

Optional Extras



Installation Lid



100mm Angled Bend

EQUIPMENT REQUIRED

- Ø17mm Spanner/Socket
- Spade
- Spirit Level
- Support Block x2
- Concrete Mix (we suggest using a quick setting concrete i.e. QC10 in areas prone to vandalism).

MINIMUM HOLE DIMENSIONS

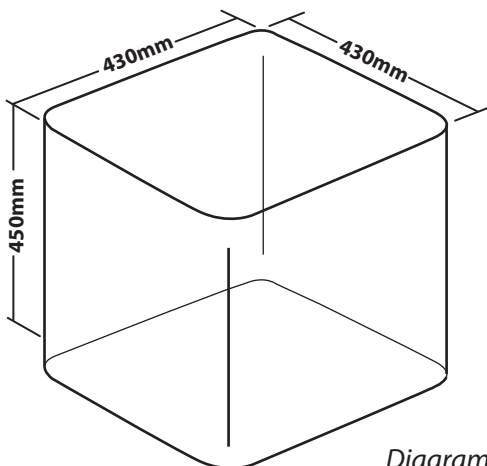
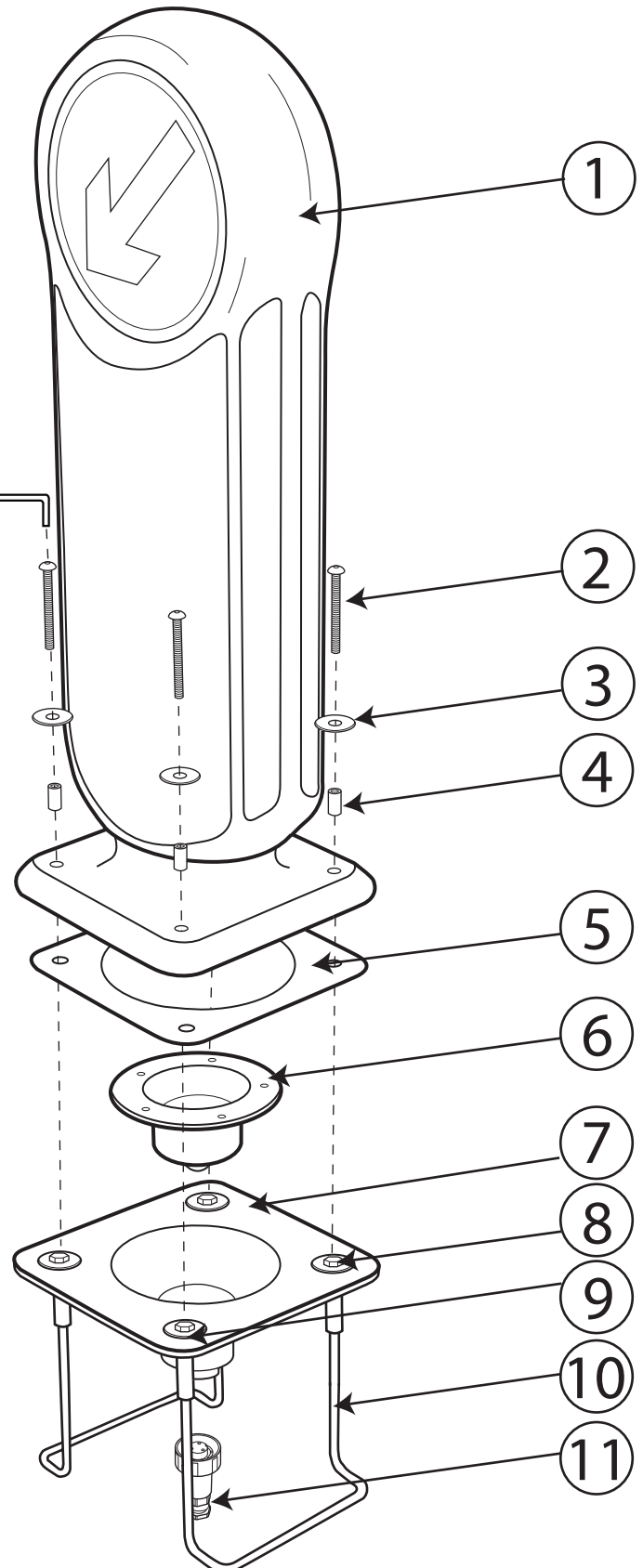
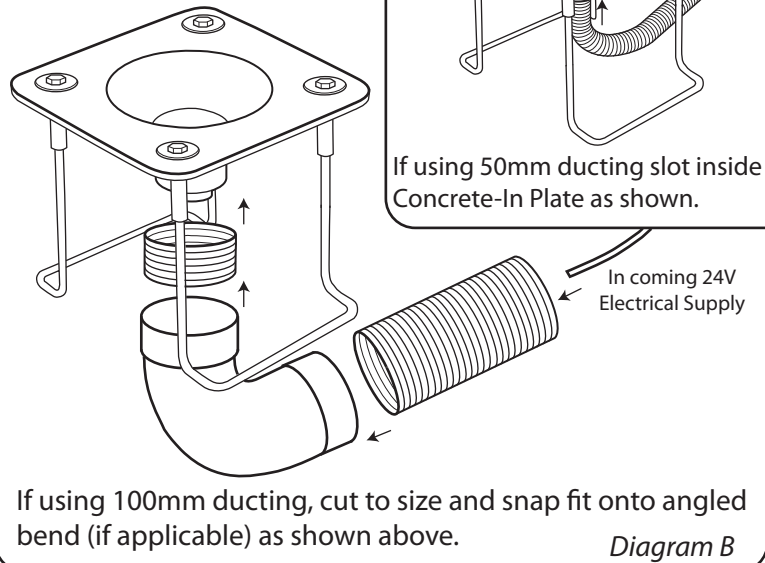


Diagram A



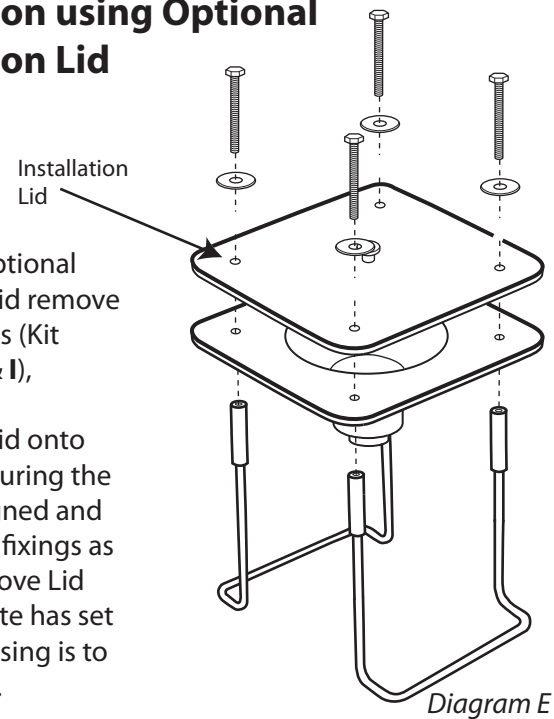
Please note that diagrams are not to scale

Installation using Ducting and Optional Angled Bend



Installation using Optional Installation Lid

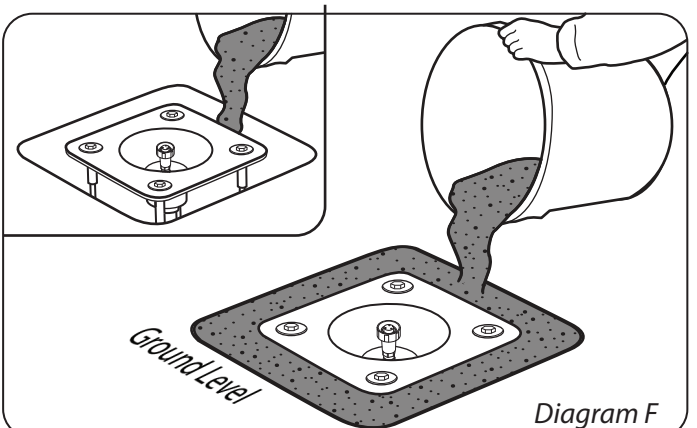
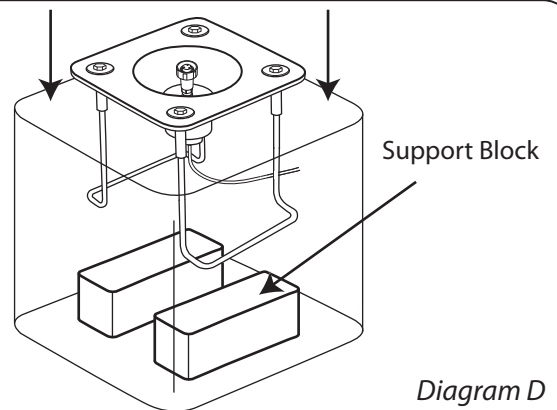
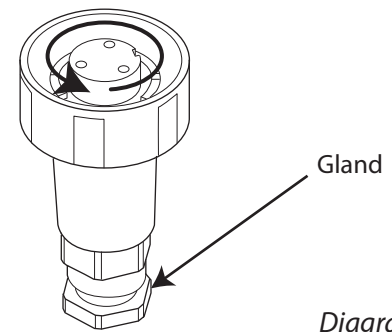
If using an optional Installation Lid remove all four fixings (Kit Contents H & I), position the Installation Lid onto the plate ensuring the holes are aligned and re attach the fixings as shown. Remove Lid when concrete has set and LED Housing is to be plugged in.



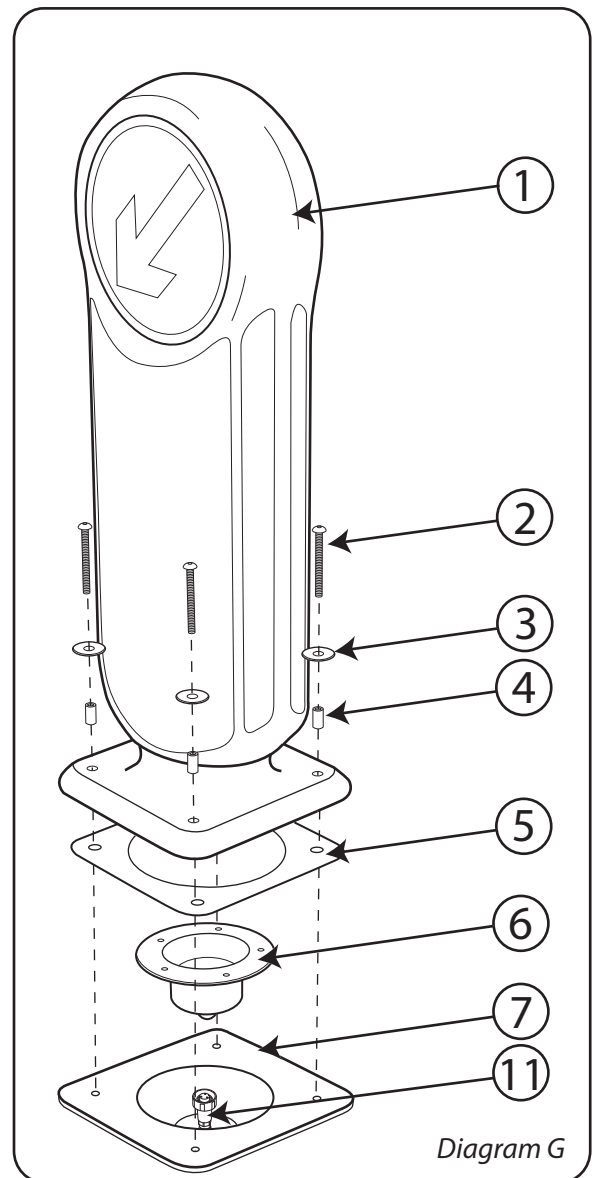
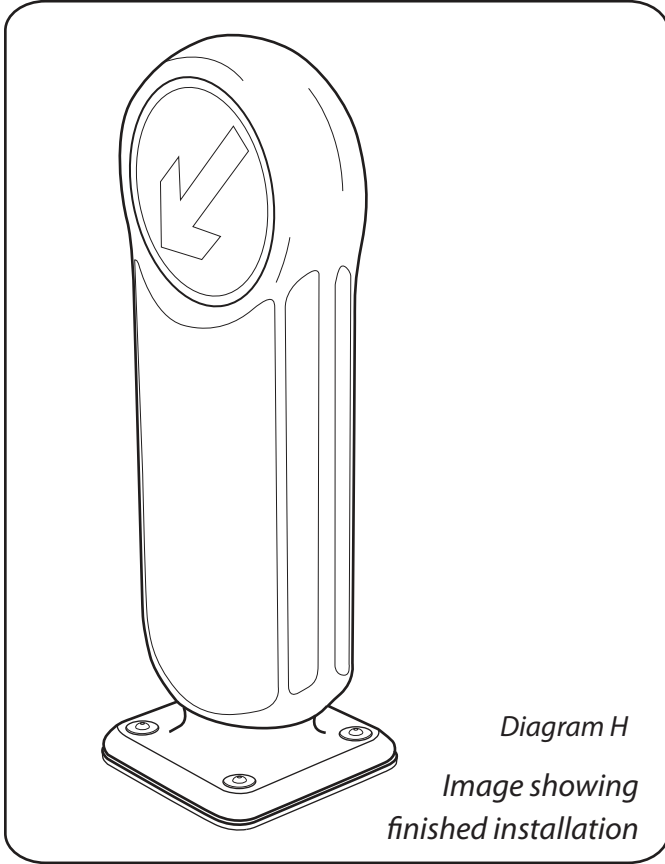
Standard Installation Instructions

- 1 Dig a hole to the minimum dimensions (see Diagram A) taking care to avoid buried services.
- 2 If using ducting (50mm or 100mm), excavate trench to the recommended depth to accept the incoming 24 Vac supply.
Note: Alternatively 24V armoured cables may be layed by slot cutting the road surface.
- 3 Remove approximately 60mm of the armouring to expose the internal cable (maximum diameter 8.1 mm).
- 4 Remove the Plug (Item 11) from the 24V LED Unit (Item 6) by unscrewing then pulling from the unit.
- 5 Disassemble the plug (Item 11) by unscrewing the centre ring and gland (see Diagram C) and remove centre to expose cable terminals.
- 6 Insert cable through gland, connect cables to terminals and re-assemble Plug ensuring the gland is tightened to maintain ingress protection.
- 7 Assemble the ducting to the Concrete-In Plate (Item 7) as shown in diagram B, and position in the previously prepared hole.
- 8 Ensure the Concrete-In Plate is level using a spirit level. Also ensure the plate is at ground level, support blocks or gravel may be required to achieve this (see Diagram D).
- 9 Ensure the Plate is in the correct orientation and feed the cable/plug through the centre of the Concrete-In Plate.
- 10 If using an Installation Lid follow guidelines in Diagram E.
- 11 Pour concrete into hole ensuring the Concrete-In Bars (Item 10) are fully covered and the hole is completely filled (see Diagram F). Allow to set.

Unscrew plug anticlockwise




- 12 Plug in LED Housing (Item 6) and position into the Plate. Remove all fixings from Plate (Items 8 & 9) and discard as these are no longer required.
- 13 Position Gasket (Item 5) onto the Plate followed by the Signmaster bollard and use the fixings provided (Items 2, 3 & 4) to attach- see Diagram G.



IMPORTANT NOTE: PLEASE ENSURE THAT ALL RELEVANT PERSONNEL READ THE POINTS LISTED WITHIN THIS LEAFLET AND THAT A COPY IS GIVEN TO STAFF INVOLVED WITH THE INSTALLATION AND MAINTENANCE OF THIS PRODUCT.

SAFETY NOTE: PLEASE REFER TO 'THE MANUAL HANDLING OPERATIONS REGULATIONS 1992' DURING HANDLING.

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- A planned maintenance schedule or regular inspection is recommended, replacing components as necessary.
- Replacement components are available direct from GLASDON.
- GLASDON cannot be held responsible for claims arising from incorrect installation, unauthorised modifications or misuse of the product.

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