MOFLASH SIGNALLING

INSTALLATION INFORMATION

PLEASE READ PRIOR TO INSTALLATION



S00602 - ISSUE 1

LED-TL Modular Surface Mount Series

VISUAL SIGNALLING DEVICE

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APPROVALS AND CONFORMITIES

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General Installation Notes

- Installation must be carried out in accordance with the latest codes and regulations by a qualified electrician.
- Ensure power is disconnected prior to installation or maintenance to avoid danger of electrical shock.
- Environmental exposure conditions during installation should be dry. Moist or wet conditions should be avoided.
- The Lens of the product is Polycarbonate plastic. Do not clean with petroleum-based cleaners.
- Avoid mounting the Beacon where it will be subjected to excessive vibration.

Installation Instructions

1. Surface Mounted Modules (see Diagram 1)

Each LED-TL module is supplied with an adaptor kit to allow for the construction of multiple assemblies, if required. The kit consists of the following:

- 1 x M20 Adaptor
- 2 x M20 Washers
- 2 x M20 Locknuts
- 2 x M3x8 Stainless Steel Screws

Remove the 2 screws that retain the Shroud and Lens from the TL module in place, remove the Shroud, and then carefully pull the Lens away from the back box.

Now remove the appropriate fixing hole and conduit knockouts as required for installation.

Note: For multiple module assemblies, remove additional side conduit knockouts to allow multiple modules to be assembled. Place 1 x M20 Washer each side of the M20 Adaptor, locate a Base on each side of the Adaptor, then secure the Bases together with the M20 Locknuts.
Do not over tighten the locknuts **(see Diagram 2)**.
Mount the base(s) on a vertical surface or conduit box(es) using the gasket(s) supplied.

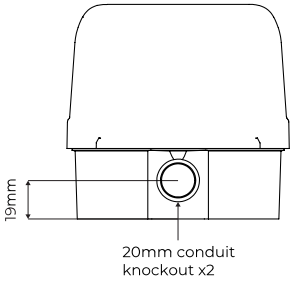


Diagram 1

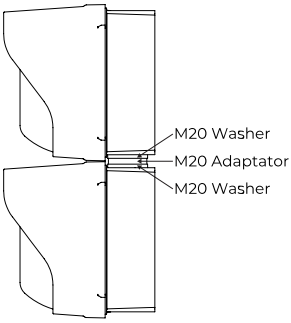


Diagram 2

Insert the power/control cable into the Base via a suitably rated Cable Gland (not supplied) and make the necessary connections to the Termination Block mounted on the PCB that's fitted in the Lens **(see Wiring Diagram 1).**

Please Note: For 48vDC operation, please reverse the polarity of "0v" and "Vin" to allow for use on DC supply.

The required output must now be selected by setting the Jumper Links located on the LED modules as shown below:

To set the LED module to **Flash mode @ 120** flashes/min: **Fit links to J5 and J1** pin headers.
To set the LED module to **Flash mode @ 60** flashes/min: **Fit link to J5** and remove link at **J1** pin header.
To set the LED module to Static Mode: Remove both Links at J1 & J5

<u>Please Note:</u> The modules are pre-set to Static Mode.

Once all connections have been made and the output selected, the Lenses can now be located back into place. Firstly, ensure the Base 'O' rings are in place. Line up the Lens holes with those in the base and carefully snap the Lens into position, taking care that power cables do not foul PCB components. Locate the Shrouds over the Lenses and secure in position with the two screws removed earlier.

2. Bracket Mounted Modules

Position the bracket on the required mounting surface then mark and drill the appropriate holes for the fixing screws (not supplied). The brackets are designed with a keyhole slot at the top and an elongated one at the bottom **(see Diagram 3).**

Remove the 2 screws that retain the Shroud and Lens from the TL module in place, remove the Shroud, and then carefully pull the Lens away from the back box. Now remove both side conduit knockouts from each module base and assemble the Bases together using the adaptor kit provided **(see Diagram 2).**

Now assemble the M20 Glands and Locknuts into the top and bottom of the module assembly, discarding the supplied white washer from the Gland and replacing it with the M20 x 1.2mm washer supplied **(see Diagram 4)**

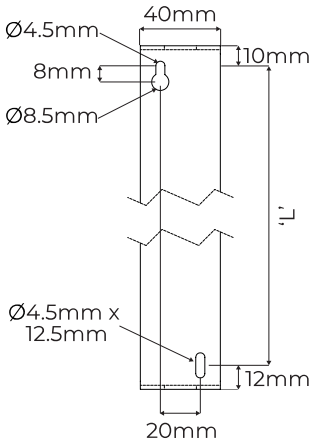


Diagram 3

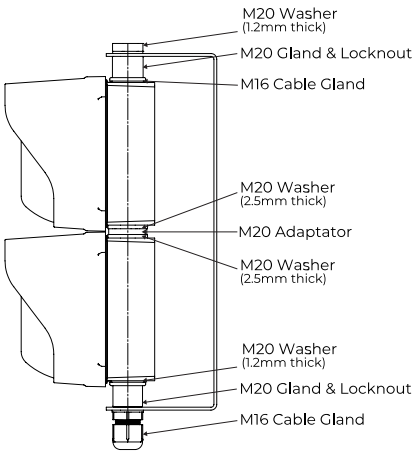


Diagram 4

Insert the module assembly onto the mounting bracket and lightly secure using the M16 Gland Cap at the top and the M16 Cable Gland at the bottom **(see Diagram 4)**. This allows the assembly to be swivelled in position for best visibility. Once the correct position has been selected, tighten the Gland Cap and Cable Gland to secure in place. Now securely affix the Traffic Light bracket assembly into place.

Insert the power/control cable into the Base via a suitably rated Cable Gland (not supplied) and make the necessary connections to the Termination Block mounted on the PCB that's fitted in the Lens **(see Wiring Diagram 1)**

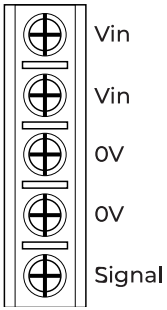
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Wiring Diagram



Wiring Diagram 1

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