MOFLASH SIGNALLING

INSTALLATION INFORMATION

PLEASE READ PRIOR TO INSTALLATION



LED195 Series

VISUAL SIGNALLING DEVICE

S00603 - ISSUE 1

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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

Before commencing with your installation, carefully pull the Lens away from the Back Box.In the Back Box, drill out the appropriate fixing holes and then remove the required conduit knockouts from the back box, noting:

- **Shallow Base**: Allows for 2 x 5mm side entry or 1 x M20 rear entry knockouts.
- **Deep Base**: Allows for 2 x M20 side entry or 1 x M20 rear entry knockouts.

1. For M20 Rear Mounting Installation (Shallow Base & Deep Base).

Pull sufficient cable through the center of the sealing gasket (supplied) and then through the M20 knockout in the rear of the Base and then locate both onto the required surface using 4mm fasteners (not supplied).

Connections are then to be made to the Terminal Block located on the PCB.

The operation of the unit is now to be selected before locating the Lens back onto the Base by selecting the location of the Jumper Links located on the PCB:

1. To activate **Flash Mode,** please ensure **J5 is IN.** Flash Rates are then selected by the following:

- **J1 – IN = 120FPM. J1 – OUT = 60FPM.**

2. To activiate **Static Mode**, please ensure **J5 is OUT.** Please note, when Static Mode is set, connecting the Input Voltage to the Signal Terminal will enable Flash Mode.

The Lens assembly can now be located onto the Base, ensuring the 'O' Ring is in position on the Base, and the two screws in the Lens are aligned with the Base fixing holes.

Please avoid trapping any cabling and ensure cabling does not foul any components on the PCB.

2. For 5mm Side Entry Mounting Installation (Shallow Base)

Before mounting the sealing gasket and Back Box, carefully remove the thin plastic knockout with a pair of pliers and then tidy the surface area up to prevent sharp edges, then drill the Back Box to allow cable feed.

Locate the sealing gasket (supplied) and Back Box onto the required surface using 4mm fasteners (not supplied) and then feed cable to make connections to the Terminal Block located on the PCB.

The operation of the unit is now to be selected before locating the Lens back onto the Base by selecting the location of the Jumper Links located on the PCB:

1. To activate **Flash Mode**, please ensure **J5 is IN**. Flash Rates are then selected by the following:

- J1 – IN = 120FPM. J1 – OUT = 60FPM.

2. To activate **Static Mode**, please ensure **J5 is OUT.** Please note, when Static Mode is set, connecting the Input Voltage to the Signal Terminal will enable Flash Mode.

The Lens assembly can now be located onto the Base, ensuring the 'O' Ring is in position on the Base, and the two screws in the Lens are aligned with the Base fixing holes.
Please avoid trapping any cabling and ensure cabling does not foul any components on the PCB.

3. For M20 Side Entry Mounting Installation (Deep Base)

Before mounting the sealing gasket and Back Box, carefully remove the M20 knockout required and then tidy the surface area up to prevent sharp edges. Affix a suitably rated M20 Cable Gland to the knockout and tighten.

Locate the sealing gasket (supplied) and Back Box onto the required surface using 4mm fasteners (not supplied) and then feed cable through the Cable Gland to make connections to the Terminal Block located on the PCB.

Once connections have been made, clamp the Cable Gland to the cable.

The operation of the unit is now to be selected before locating the Lens back onto the Base by selecting the location of the Jumper Links located on the PCB:

1. To activate **Flash Mode,** please ensure **J5 is IN**. Flash Rates are then selected by the following:

- J1 – IN = 120FPM. J1 – OUT = 60FPM.

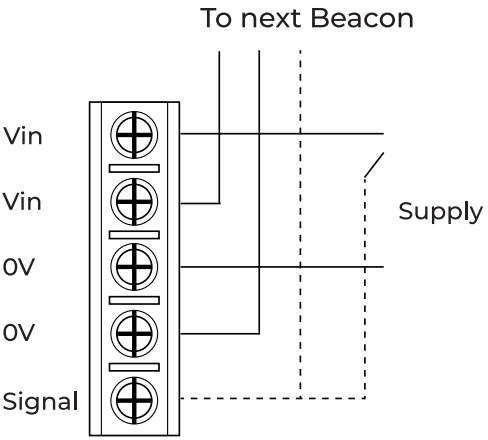
2. To activate **Static Mode**, please ensure **J5 is OUT**. Please note, when Static Mode is set, connecting the Input Voltage to the Signal Terminal will enable Flash Mode.

The Lens assembly can now be located onto the Base, ensuring the 'O' Ring is in position on the Base, and the two screws in the Lens are aligned with the Base fixing holes.
Please avoid trapping any cabling and ensure cabling does not foul any components on the PCB.

Cabling Details

- Maximum 2.5mm^2 (14 – 22 AWG) stranded core with 4mm cut back.
- **NOTE:** For 48vDC Voltage Supply **ONLY**, reverse the polarity of "0v and V in" for the PCB connections to allow for use on Direct Current supply.

Wiring Diagram



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