MOFLASH SIGNALLING

INSTALLATION INFORMATION

PLEASE READ PRIOR TO INSTALLATION



LED-R401/400 Series

VISUAL SIGNALLING DEVICE

S00652 - 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 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.
- For all installations, mount the Beacon ensuring the Lens is above the Base (vertically). Any other mounting positions will impair the IP Rating (Ingress Protection) of the Beacon.
- Avoid mounting the Beacon where it will be subjected to excessive vibration.
- Decide on desired wiring option. Pre-wired Terminal Block is supplied in the base of the unit, or an M20 knock-out is available on the side.
- If Terminal Block in base is not used, then connecting wires will need removing to allow for internal connection of wiring.
- The back box should be mounted to a wall (with bracket), bulkhead or surface formed of suitable material using the supplied gasket with 3 x M6 Hex set screws (not supplied).
- It is not necessary to earth the alarm circuitry, but earth tags should be used if earth continuity of conduit or cable sheathing is to be maintained.
- If using the M20 knock-out option a suitably rated (Minimum IP65) cable gland (not supplied) must be used to maintain IP rating of the product.
- In all connection options, a Max termination size of 2.5mm² cable must be used.

Rotation Speed Selection

The LED-R400/401 units are pre-set to 120 RPM when leaving the factory. If it is required to change the rotation speed, this can be done by briefly connecting the Signal terminal to the 0v (for R401) or Neutral (for R400). This will then save the rotation speed into the unit, and it will stay at this rotation speed when powered.

Alternatively, a momentary switch can be installed (not supplied) between the Signal terminal and 0v/N lines to allow for changes of rotation speed once unit is installed. **(Figure 3)**

Connections to Pre-Wired Terminal Block

10-30vDC & Diode Polarised (Figure 1)

- Confirm the correct voltage and polarity is to be applied for the unit.
- +10-30vDC applied to the "+" terminal, 0v applied to the "0v" terminal.
- 0v or Switch applied to Sig. Terminal for setting speed as described above.

85-280vAC/DC (Figure 2)

- Confirm the correct voltage and polarity is to be applied for the unit.
- Live applied to the "L" terminal, Neutral applied to the "N" terminal.
- Neutral or Switch applied to Sig. Terminal for setting speed as described above.

Wiring Diagram

Figure 1

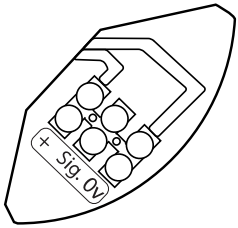


Figure 2

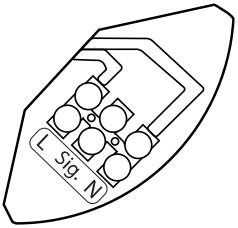
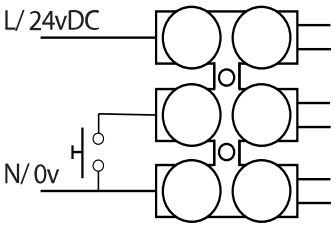


Figure 3



Connections when using M20 cable entry see below:

If M20 knock-out is preferred method then three wires in the barrier strip of the base need to be unscrewed and freed from the barrier strip. Unscrew 3 x No:4 screws that retain the base plate & carefully remove, threading the wires through the aperture. Unscrew the same three wires from the internal Terminal Block on the PCB (Figure 5). Carefully drill out the M20 entry & using the appropriate cable gland, insert power cable into unit connecting to the internal Terminal Block. Screw base plate back into position.

10-30vDC ONLY Internal Wiring (Separate Barrier Strip required)

- Confirm the correct voltage and polarity is to be applied for the unit.
- +10-30vDC applied to the "Red" wire, 0v applied to the "Black" wire.
- 0v or Switch applied to Yellow Wire for setting speed as above.

10-30vDC Diode Polarised Internal Wiring (Figure 4 & 5)

- Confirm the correct voltage and polarity is to be applied for the unit.
- +10-30vDC applied to the "Live" terminal, 0v applied to the "Neutral" terminal.
- 0v or Switch applied to Sig. Terminal for setting speed as above.

85-280vAC/DC Internal Wiring (Figure 4 & 5)

- Confirm the correct voltage and polarity is to be applied for the unit.
- Live applied to the "Live" terminal, Neutral applied to the "Neutral" terminal.
- Neutral or Switch applied to Sig. Terminal for setting speed as above.

Figure 4

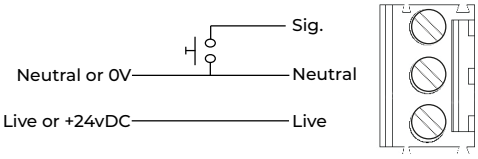


Figure 5



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