

## SAFETOUCH 150 INSTALLATION INSTRUCTIONS

NOTE: THESE INSTRUCTIONS MUST NOT CONTRAVENE YOUR LOCAL ELECTRICAL AUTHORITY REGULATIONS, WITH WHICH ALL INSTRUCTIONS HERE IN MUST COMPLY. PLEASE KEEP INSTRUCTIONS FOR FUTURE REFERENCE.

**WARNING:** We recommend when connecting to photocells and timers that the outputs of these devices be a relay output and not an electronic output. This is due to the high frequency output of these devices which can lead to failure of the internal driver.

**DO NOT** connect in close proximity to inductive loads e.g. air conditioning systems, water pumps, etc. without appropriate mains filtering. Use a suppression interface module for every six luminaires connected to the circuit.

**DO NOT** carry out a Megger or insulation test on a circuit with a luminaire connected to it.

**DO NOT** connect to a Clipsal C-Bus2, or any other home automation system type without using a suppression interface module.

**DO NOT** water blast/jet wash this luminaire under any circumstances.

**DO NOT** connect secondary side (output) of a live driver to the luminaire. This will cause a spike in voltage that can damage the LED. When connecting or disconnecting the luminaire, always ensure the 120/240V power supply is disconnected.

**NOTE:** Due to the nature of electronics, the ambient temperature of the installation location must be considered carefully as the luminaire may not operate reliably at temperatures below -8°C (18°F).

**NOTE:** Where dimming is required, cut and strip dimming cable to make connection.

### DIRECT BURY INSTALLATION

Remove the complete fixture from the packaging. Dig a 30cm (12") diameter and 40cm (16") deep hole. Draw the power supply cable up through the centre of the hole ready for connection to the luminaire. Place drainage material in the bottom of the hole to drain away water and stop water level build up (see Fig. 1).

Make waterproof connections with the input cables. Place the luminaire in the hole. Make sure the flange is flush with ground level, then back fill around the luminaire. Compact the surrounding substrate to ensure good heat conductivity (see Fig. 2).

**NOTE:** Do not backfill with stones, scoria or any material that will leave air gaps next to the canister.

Concrete is strongly recommended to backfill the canister hole. Concrete will conduct away 40% more heat than soil.

### GIMBAL ADJUSTMENT

To tilt the gimbal, loosen the M5 bolts, rotate and tilt to desired position and tighten bolts to clamp gimbal in place. (See Fig. 3)

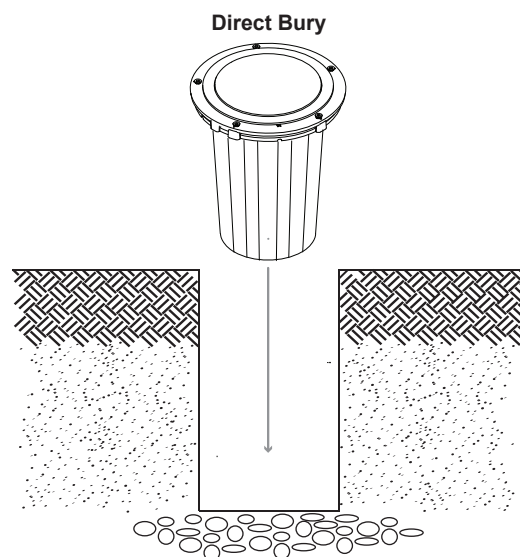


Fig. 1

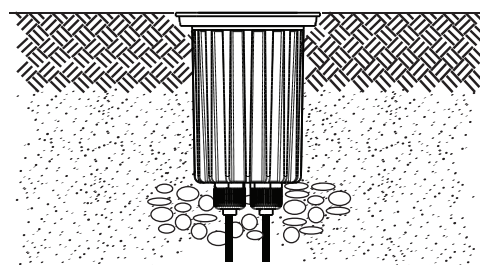


Fig. 2

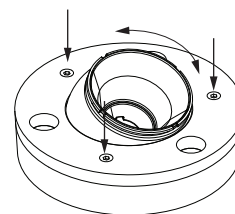


Fig. 3

## SAFETOUCH 150 INSTALLATION INSTRUCTIONS

### CANISTER INSTALLATION

Remove the complete fixture from the packaging.  
Dig a 30cm (12") diameter and 40cm (16") deep hole. Draw the power supply cable up through the centre of the hole ready for connection to the luminaire. Place drainage material in the bottom of the hole to drain away water and stop water level build up (see Fig. 4).

If the luminaire and canister are to be installed together, discard the packing in an environmentally friendly way. Make waterproof connections with the input cables then sit mounting canister in the hole. Make sure the top of the canister is flush with ground level. Back fill with soil or concrete. If grout is to be used with tiles, ensure canister is flush with finish tile height (see Fig. 5).

If the canister and luminaire are to be installed separately, detach the luminaire from the canister by removing the flange, lens and gasket to access the four screws that hold the housing of the luminaire to the canister. Remove the four screws to detach the canister and refit the flange, lens and gasket securely (see Fig. 7). Place the luminaire back in the packaging and store safely. Sit mounting canister in the hole and draw the power supply cable up through the centre of the canister ready for connection to the luminaire. Make sure the top of the canister is flush with ground level. Back fill with soil or concrete. If grout is to be used with tiles, ensure canister is flush with finish tile height (see Fig. 5). Install the luminaire by making waterproof connections with the input cables first (see Fig. 6). Then place the luminaire in the canister and remove the flange, lens and gasket to access the canister fixing holes in the luminaire housing. Refit the four screws via the luminaire housing to the canister and refit the flange, lens and gasket. Be certain to clean the gasket recess before placing gasket and lens assembly back into the luminaire. Make sure all surfaces are clear of dirt, sand and mud and no debris has fallen into the open luminaire while working. Place flange on top of lens and gasket assembly and tighten the five flange screws by hand only – no power tools should be used on this luminaire (see Fig. 7).

**NOTE: Do not backfill with stones, scoria or any material that will leave air gaps next to the canister.**  
**Concrete is strongly recommended to backfill the canister hole. Concrete will conduct away 40% more heat than soil.**

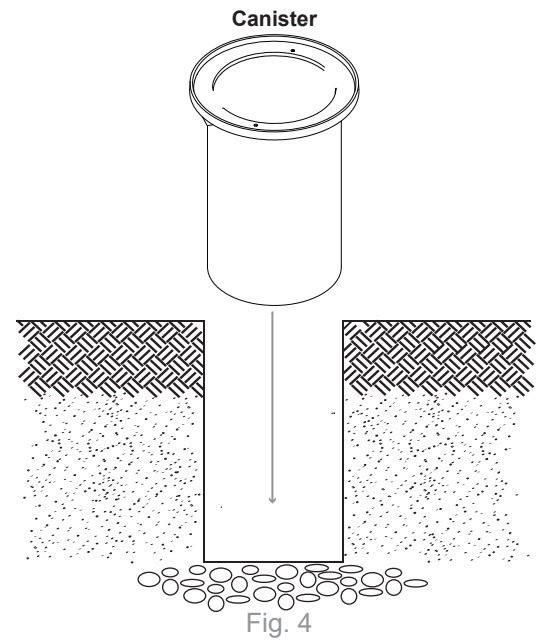


Fig. 4

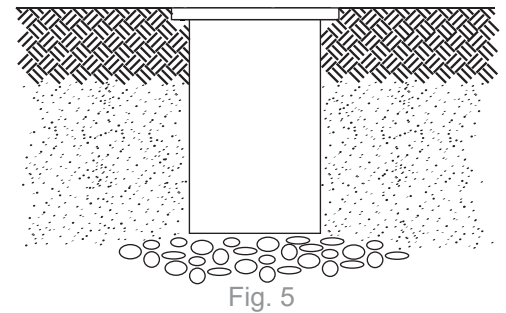


Fig. 5

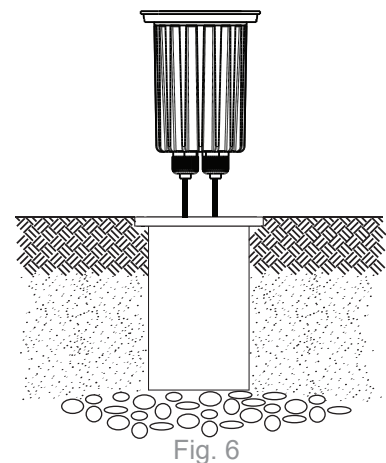


Fig. 6

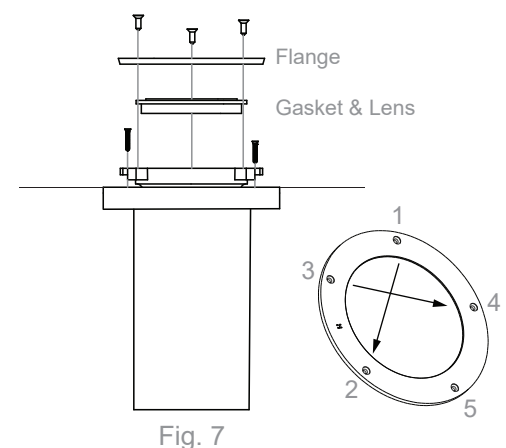
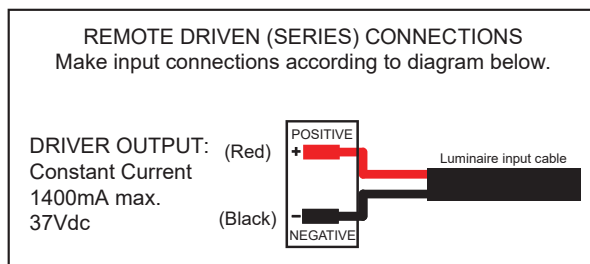
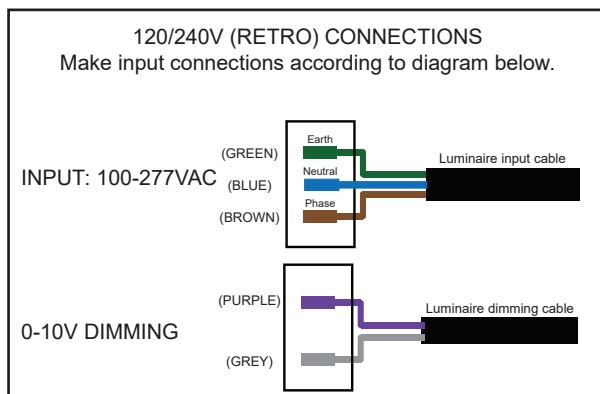


Fig. 7

## SAFETOUCH 150 DRIVER INSTALLATION INSTRUCTIONS

**WARNING:** Do not connect secondary side (output) of a live driver to the luminaire. This will cause a spike in voltage that can damage the LED. When connecting or disconnecting the luminaire, always ensure the 120/240V power supply is disconnected.



## SAFETOUCH 150 LED REPLACEMENT

Make sure the power is turned off to the luminaire before you start. Unscrew the flange and remove the lens, gasket, gimbal clamp and unclip the circlip and remove the reflector. Unscrew and remove the COB holder from the heatsink ball. Pay close attention to the component order. Unclip the LED wire connector and discard the old LED. Apply fresh thermal transfer paste evenly to the back of the LED before refitting to the heatsink ball. Refit the COB holder by fixing the mounting screws firmly. Make sure the components are replaced in the correct order. Incorrect order can lead to failure of LED and/or leaking. Please ensure no dirt or grit is present around lens or gasket.

**LED REPLACEMENT WARNINGS:**  
**DO NOT** hot plug the LED to live power as it will damage new LED.

