

DRIVEOVER FITTING

1) INTRODUCTION

Please read these instructions carefully and completely prior to commencing installation and retain them for future reference. Leave a copy of these instructions with the end user.

The safety and durability of this fitting relies on correct installation and maintenance as listed in the **INSTALLATION, WARNINGS** and **MAINTENANCE** sections 3), 4) and 5) below. Also compliance with the requirements of the relevant building/planning regulations and the requirements of the IEE wiring regulations seventeenth edition.

These instructions refer to the driveover fitting supplied with polycarbonate lid and steel cap ring (fitted) and alternative polycarbonate lid only supplied separately with the driveover.

2) SPECIFICATION

Input Voltage: 230/240v.

Lamp Wattage/Type: Maximum 40w/R63 E27 Reflector Lamp. Recommended lamp is E27 Compact Fluorescent Lamp (128mm max overall length).

3) INSTALLATION

The correct installation of this fitting is critical to ensure its integrity as a driveover rated fitting and also its electrical safety. Install this fitting only if you are competent to do so.

Fig.1

UK Regulations require that only a qualified electrician connects mains voltage outdoor fittings to the mains supply. **DO NOT** connect this fitting to the mains supply unless you are a qualified electrician and can correctly connect and certify the installation in accordance with the UK Regulations.

This driveover fitting is rated at IP67 when installed with suitable drainage. IP67 tests are short duration tests (30 minutes). This fitting is not suitable for extended periods of either partial or full submersion. **DO NOT** install the fitting where either partial or full submersion may occur for extended periods unless adequate drainage is provided. Under these circumstances an adequate drainage system **MUST** be used i.e. French drain or piped drainage. If in doubt consult with a groundwork's engineer. Damage to fittings caused by water intrusion is **NOT** covered by warranty.

DO NOT install these fittings in loose surfaces such as sand, gravel or soil. These fittings are not suitable for use in decking.

The outline drawing in Fig.1 is a pictorial illustration of the required installation method.

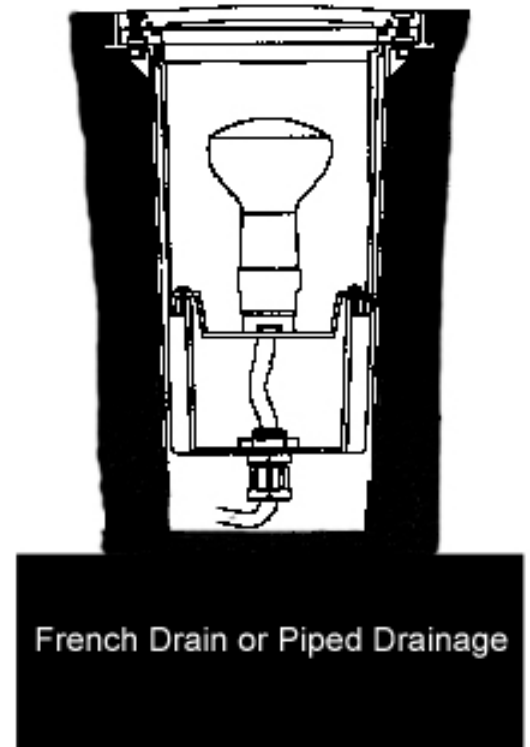
Always isolate the mains supply before carrying out any work.

To begin excavate a hole in the ground for the fitting at least 305mm deep x 200mm diameter. Ensure you accommodate the drainage system being used. Run suitable mains cable, in compliance with the IEE wiring regulations seventeenth edition, to the excavated hole. Allow at least 400mm of spare cable to enable connection to the driveover fitting.

Prepare the driveover fitting by removing the four screws from the top of the fitting, remove the steel cap ring and polycarbonate lens.

Separate the inner unit from the outer casing.

Place the outer casing into the excavated hole passing the mains cable through one of the side knockouts provided. Fix the outer casing into the excavated hole with concrete ensuring that the drainage system is accommodated and that the top of the outer casing will be flush with the finished surface.



DRIVEOVER FITTING (Cont'd)

3) **INSTALLATION (Cont'd)**

When the concrete has set the inner unit may be installed. To do this first remove the reflector unit and the E27 lamp holder supporting bracket (two screws) from the inner unit.

Pass the mains cable through the cable gland at the bottom of the inner unit and connect the live, neutral and earth cable to the terminal block as follows:

Brown - Live Blue - Neutral Green/Yellow - Earth

Warning: This unit must be earthed.

Once the connections are complete refit the E27 lamp holder supporting bracket (two screws). Pull the mains cable back through the cable gland leaving a small amount of slack in the lower part of the inner housing. Tighten the cable gland to ensure a good seal. **NOTE** if the cable gland fitted to the unit is not compatible with the cable being used in the installation remove the fitted cable gland. Replace the cable gland with a type that is fully compatible with the cable being used. Failure to follow this procedure may cause water intrusion into the fitting. Damage to fittings caused by water intrusion is **NOT** covered by warranty.

Refit the reflector unit. Refit the inner unit into the outer casing. The spare mains cable should be neatly coiled into the bottom of the outer casing. Ensure that the single locating peg on top of the outer casing engages with the correct hole on the inner casing. This ensures correct seating and alignment of the four fixing screw holes.

Insert a suitable lamp into the E27 lamp holder. Fluorescent lamp recommended. Fit the polycarbonate lens and steel cap ring, or alternative polycarbonate lens without the steel cap ring. Ensure that the four locating pegs on the polycarbonate lens are correctly engaged. Secure using the four fixing screws provided. The four fixing screws **MUST** be tightened equally. The correct torque setting is 1.2Nm (0.89Lb-Ft).

Make the electrical connection to the mains supply ensuring that IEE wiring regulations seventeenth edition are fully complied with. Re-instate the mains supply and test the fitting for correct operation.

4) **WARNINGS**

DO NOT install the fitting unless you are competent to do so.

DO NOT modify the fitting in any way. Except for the cable gland if not compatible. If any other modifications are made, it will invalidate the warranty and may render the fitting unsuitable for use.

DO NOT exceed the maximum lamp rating of 40w/R63 E27 Reflector Lamp. Recommended lamp is E27 Compact Fluorescent Lamp (128mm max overall length).

DO disconnect the mains supply during installation or maintenance.

DO ensure that there are no pipes or cables present before excavating any holes.

DO allow the lamp and fitting to cool before carrying out any maintenance work or lamp changes.

5) **MAINTENANCE**

Some simple maintenance procedures will ensure the longevity of your driveover fitting.

DO NOT allow grit, grit salt or dirt to build up on the fitting. This will cause abrasive damage to the polycarbonate lens (and abrasive damage/corrosion to the steel cap ring where fitted).

DO inspect the fitting regularly for any signs of damage or water penetration and rectify as appropriate.

DO regularly check the tightness of the four screws and the security of the seal at the top of the unit.

DO remove any corrosion build-up on the steel cap ring where fitted. Wire wool and a smear of general purpose oil should remove any surface corrosion.

DO use a water resistant preparation regularly after cleaning (e.g. WD40) on the steel cap ring where fitted. Spray the preparation onto a clean cloth and wipe onto the steel cap ring.

