



# Waterproof Plug & Socket Wiring and Assembly Instructions

|                         |                      |
|-------------------------|----------------------|
| RATING AT<br>250v ac/dc |                      |
| Load Rating             | Wire Capacity        |
| 1.6A Max                | 4mm <sup>2</sup> max |

## GENERAL

The Oasis Waterproof Plug & Socket is simple to assemble and use. However, it is important that these instructions are fully complied with to ensure the product is completely watertight and electrically safe. The product is capable of an Ingress Protection rating of IP68 to 2 Bar (waterproof to 20 metres water depth) when mated.

## SAFETY GUIDE

- **IMPORTANT:** A Residual Current Device (RCD), also known as a Residual Current Circuit Breaker (RCCB) **MUST** be fitted to the supply circuit.
- Switch off power supply and ensure all parts are clean and dry before fitting, mating or unmating.
- Please ensure cable diameter used is within cable range, as marked on outer housings (see Fig.4).
- Please note that the Current Rating changes with Cross Sectional Area of cable. Typical Rating 10 Amps maximum load on 1.5mm<sup>2</sup>
- If in doubt, consult a qualified Electrician.
- If the connector is left unmated in-situ, we recommend the use of a sealing cap. This will maintain an Ingress Protection Rating of 1P68 for all products.

## MATING & UNMATING INLINE CONNECTOR

To **mate** connector line up alignment ribs then push the two halves together Full engagement is indicated by a click.

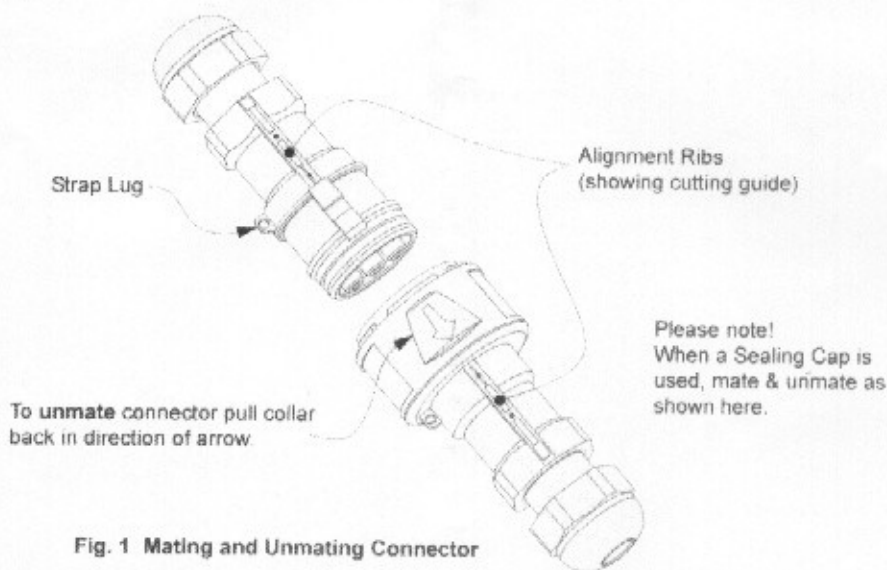



Fig. 1 Mating and Unmating Connector

CONTINUED OVERLEAF

## WIRING AND ASSEMBLY INSTRUCTIONS

- 1 It is recommended that the Power Supply cable should be wired into the Inner White Socket Connector (see Fig. 2 below), and the cable that goes on to the Load/Appliance should be wired into the Inner White Plug Connector (see Fig. 2 below).
- 2 Remove the Inner White Socket Connector by inserting an electrician's (or small flat bladed) screwdriver into the slot and turning anti-clockwise. This will unlock the connector from the outer housing, and will allow the inner connector to be rotated through 45 degrees, leaving it free to be pulled straight out of the body (see Fig. 2 below).
- 3 Push the cable through the Gland Entry - DO NOT disassemble gland assembly.
- 4 Strip outer cable sheath for 25mm, and the conductor insulation for 6mm (see Fig. 3) indicated on Alignment Ribs (see Fig. 1 overleaf)
- 5 Fit conductors into terminals as marked, ensuring screws are fully tightened:  
BROWN to "L." (Live); BLUE to "N." (Neutral); GREEN/YELLOW to  (Earth Symbol)
- 6 Align the Inner White Socket Connector with the guide ribs on the inside of the housing, slide back into the housing and then rotate 45 degrees clockwise, so the connector "double clicks" back into place.
- 7 Tighten the Gland Nut fully by hand, then one turn with a spanner or to a max torque of 2Nm.
- 8 Repeat Steps 2 to 7 above to connect the Appliance to the Inner White Plug Connector.

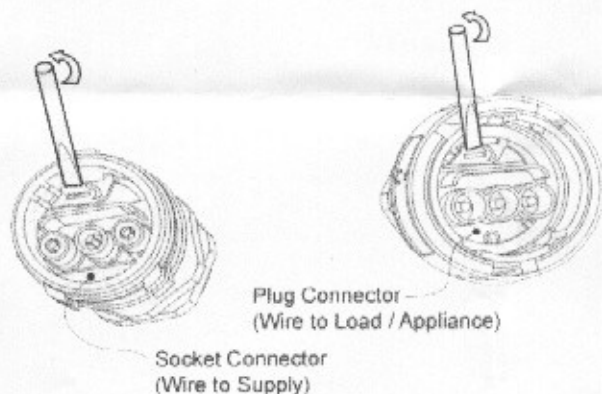


Fig.2 Inner Connectors

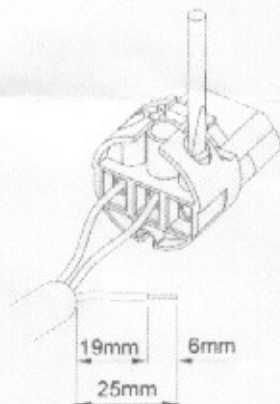


Fig.3 Cutting Length

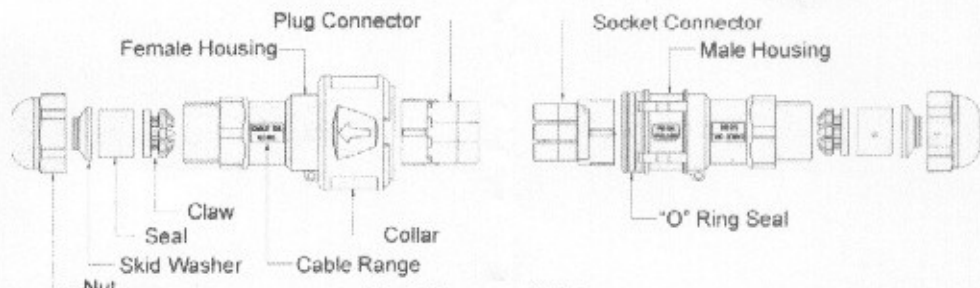


Fig.4 Component Parts