

QUICK CONNECTION KIT

INSTRUCTIONS



WARNING:

Ensure that your Matsuko Switch Box is switched off at the mains before you attempt to conduct any type of maintenance.

CONTENTS OF THE QUICK CONNECTION KIT

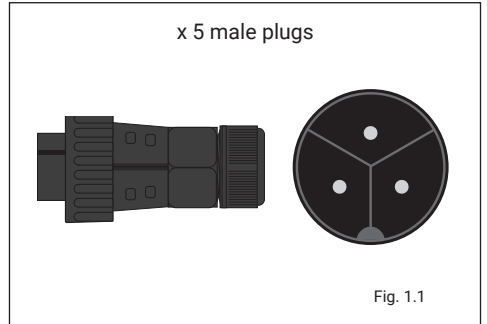
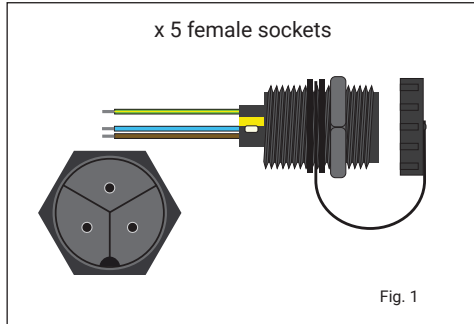


Fig. 1: The five female sockets attach directly into line 1 - 5 on the Matsuko Switch Box.

Fig. 1.1: The five male plugs attach to your pond / garden electrical equipment

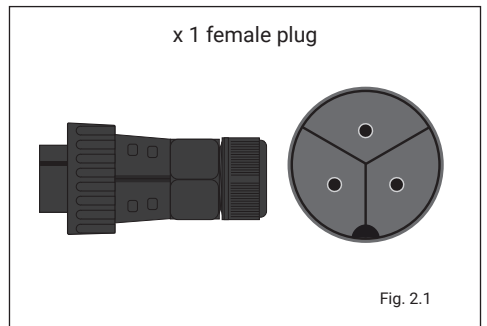
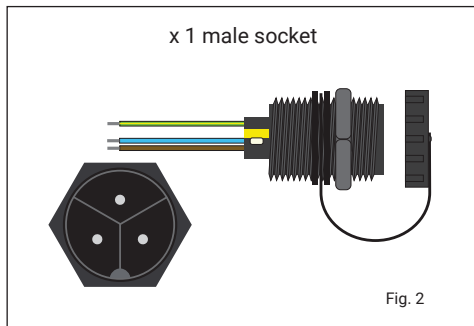
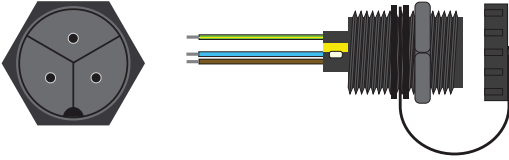


Fig. 2: The male socket connects to the power in line on the Matsuko Switch Box.

Fig. 2.1: The female plug connects to your mains power cable, bringing power to the Matsuko Switch Box.

FITTING THE FIVE FEMALE SOCKETS



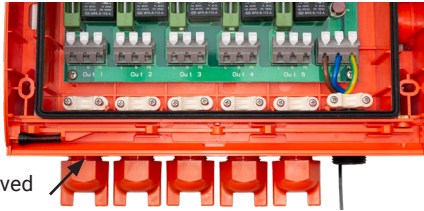
If your Switch Box has been delivered with these already fitted please proceed to the next section to fit the male socket.

Always make sure that the Switch Box is isolated from the power supply.

It is recommended that you fit the sockets while the Switch Box is on a bench.

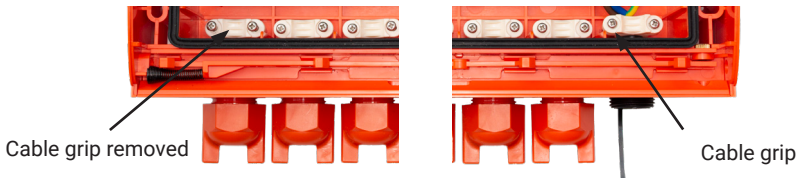
We recommend you start at **line 1** (Out 1).

Remove the **cable gland** from the Switch Box, unscrew and remove rubber washer to reuse later:



Cable gland removed

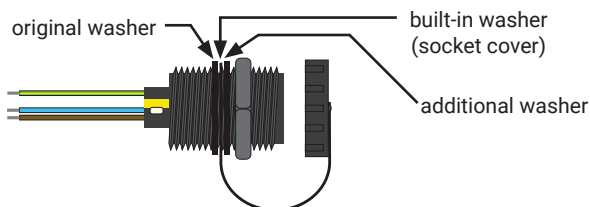
Remove the **cable grip** from inside the Switch Box by loosening the x 2 Phillips screws:



Cable grip removed

Cable grip

Place the washers and socket cover over the female socket as shown:



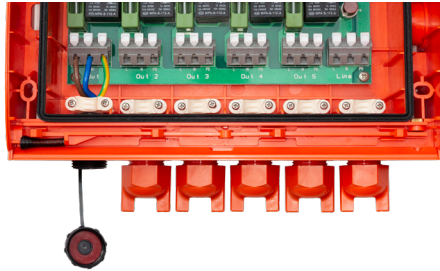
original washer

built-in washer
(socket cover)

additional washer

FITTING THE FIVE FEMALE SOCKETS CONTINUED...

Screw the socket into the unit.



Connect the wires to the terminal blocks.

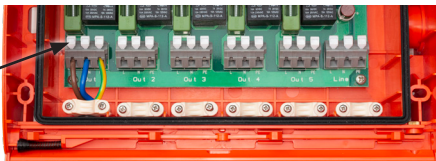
Use a screwdriver to push down the easy click push connector, then insert the corresponding wires into to each terminal block, release the easy click push connector to secure.

Ground wire (green & yellow) into the **PE** terminal (protected earth).

Neutral wire (blue) into the **N** terminal.

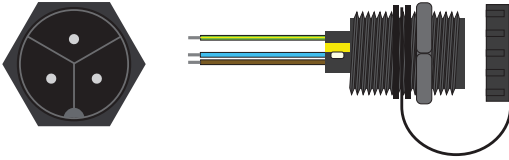
Live wire (brown) into the **L** terminal.

Terminal
connector
clamp



Reattach the cable grip with the x 2 Phillips screws, securing the wires into the Switch Box.

FITTING THE MALE SOCKET TO POWER LINE IN



If you do not wish to use the male socket then please proceed to the next section and wire mains to your Switch Box according to the Switch Box instructions.

1. Repeat the previous process to fit the male socket to the power line in:
2. Remove the **cable gland** from the Switch Box, unscrew and remove rubber washer to reuse later
3. Remove the **cable grip** from inside the Switch Box by loosening the x 2 Phillips screws
4. Place the washers and socket cover over the male socket
5. Screw the socket into the unit.
6. Connect the wires to the terminal blocks:

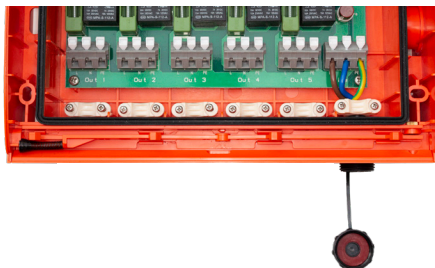
Use a screwdriver to push down the easy click push connector, then insert the corresponding wires into to each terminal block, release the easy click push connector to secure.

Ground wire (green & yellow) into the **PE** terminal (protected earth).

Neutral wire (blue) into the **N** terminal.

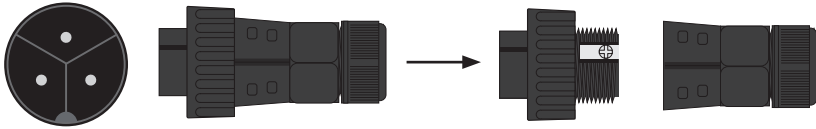
Live wire (brown) into the **L** terminal.

7. Reattach the cable grip with the x 2 Phillips screws, securing the wires into the Switch Box.

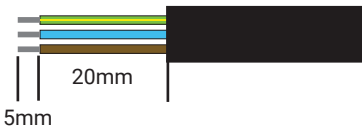


FITTING THE 5 MALE PLUGS TO YOUR ELECTRICAL EQUIPMENT

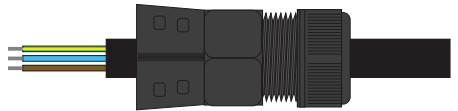
Disassemble the male plug by screwing the rear part of the plug counter clockwise to expose the wiring connections.



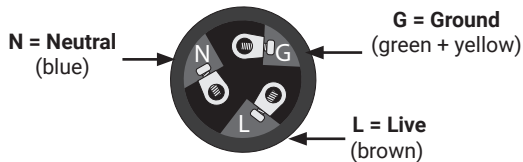
Bear the outer insulation from the pond / garden electrical equipment wire; allow between 20-25mm of wire to be visible. Bear each wire so 5mm of copper is exposed at the ends of each wire.



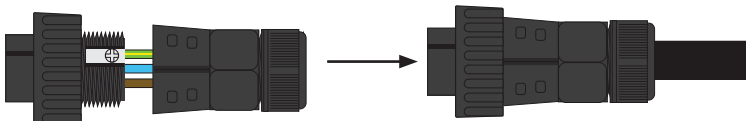
Loosen the cable gland on the rear of the plug and insert the wire through it.



Attach the wires to the correct connector by loosening the relevant screw, installing the wire and then re-tightening the screw. Take care that there are no loose strands of wire that could short.



Once all wires are installed then screw the rear of the plug back on and tighten the gland screw to seal the wire into the plug.



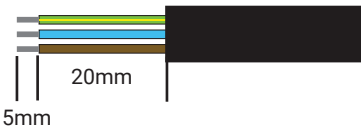
FITTING THE FEMALE PLUG TO THE POWER LINE IN

The **female plug** is for the **line in** (power in). Make sure the power is off.

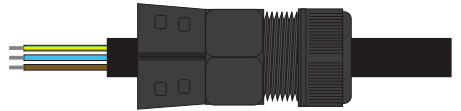
Disassemble the male plug by screwing the rear part of the plug counter clockwise to expose the wiring connections.



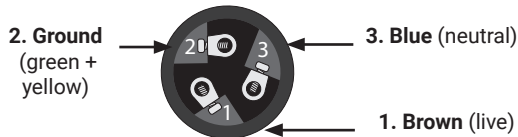
Bear the outer insulation from the power line in wire; allow between 20-25mm of wire to be visible. Bear each wire so 5mm of copper is exposed at the ends of each wire.



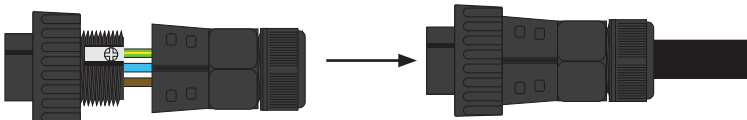
Loosen the cable gland on the rear of the plug and insert the wire through it.

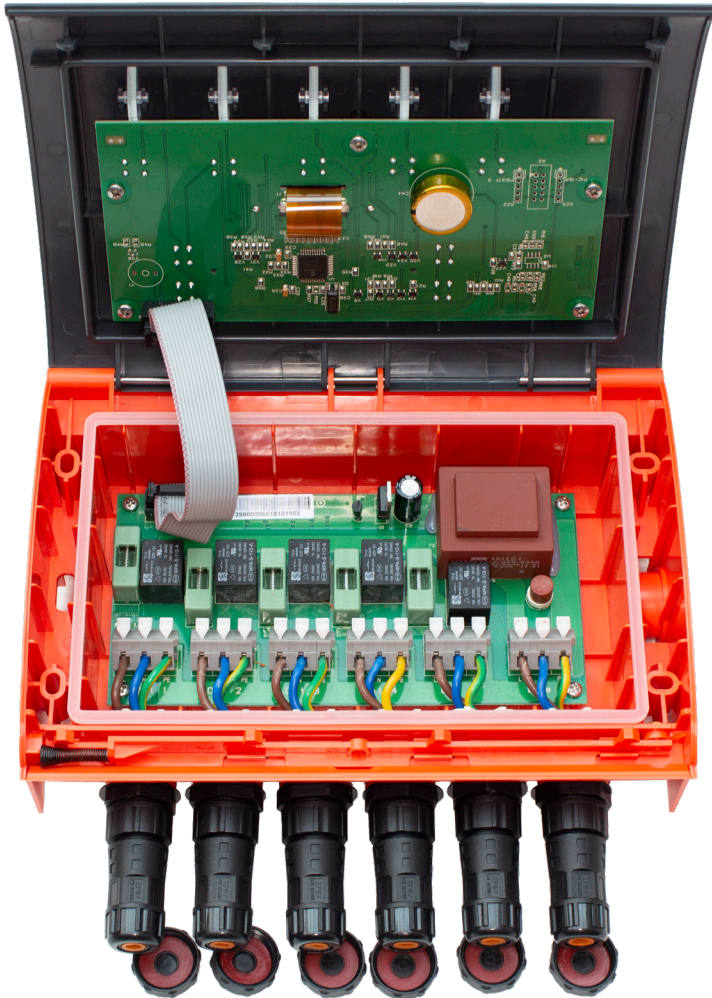


Attach the wires to the correct connector by loosening the relevant screw, installing the wire and then re-tightening the screw. Take care that there are no loose strands of wire that could short.



Once all wires are installed then screw the rear of the plug back on and tighten the gland screw to seal the wire into the plug.





You can now connect your pond / garden electrical equipment to the Switch Box using the quick connections.

If a socket is not in use, screw on the socket cover to protect it.

Once all the steps in this document are completed, power can be applied to the Switch Box.

Your Switch Box is now ready to use.