

CONDUCTOR HUB

demand compliance ⚡ ensure safety



1 X BASE



1 X LID ASSEMBLY



1 X 1M LENGTH
COPPER ROD



1 X BUSBAR



2 X S/S SERIES 5
SCREWS



4 X CONDUIT
CONNECTORS



5 X STAINLESS
STEEL ZIP TIES



1 X INSTALLATION
CARD



1 X COMPLIANCE
STICKER



INSTALLATION TOOLS/MATERIAL REQUIRED

- ▶ Measuring Tape
- ▶ Marking Pen
- ▶ Battery Drill
- ▶ 5/16 Hex Bit
- ▶ Grinder
- ▶ Silicone
- ▶ 20mm Hole Saw (if adding extra connection points)
- ▶ 20mm Conduit





POOLSIDE INSTALLATION

1. Select a suitable location in the pool coping (Check with owner/ pool builder/builder).
2. Confirm items to be connected to the Hub as Per AS/NZ3000:2007 e.g. Pool fence, windows.
3. If extra items to be connected to the hub, drill out marked holes and connect the extra conduit fittings supplied in box.
4. Find the centerline of the coping and mark. Then mark 17mm towards the water side of the pool coping (this gives the centerline of the copper bar).
5. If the pool has a centre reinforcing bar this will need to be cut to allow room for the hub (check with pool engineer/builder first).
6. Place the hub in position and feed the copper bar through the square holes (the holes in the copper bar need to face upwards and need to be centred in the hub).
7. Using the stainless steel zip ties, tie the copper bar in place (four locations required – two each side). Ensure the steel is free of dust/rust before securing, if required use a wire brush to clean prior to installation.
8. Attach the conduit to the holes required and run to area clear of boxing concrete.
9. Using the last cable tie fix the conduit to reinforcing steel (this will hold the hub in position).
10. Using the two stainless series 5 screws, fix the busbar to the copper bar inside the hub.



POOLSIDE INSTALLATION

11. Feed draw wires through conduits and secure to busbar.
12. Conduit will need to be positioned to enable a clear run to main switchboard and items to be connected.
13. Fill in installation card provided and leave in hub.
14. Place lid securely on top (do not glue).
15. After the pool is sprayed/concreted and the coping tiles are selected, the lid can be removed and the top of the hub can be cut down to height.
16. If a different coloured lid assembly is required this can be ordered online. www.conductorhub.com.au
17. The lid collar will need to be glued in with a bead of silicone. (note the direction of Conductor Hub branding when finally installing to keep parallel with tiles/waterline of pool).
18. The tiling/paving can now be completed.
19. Once all work is completed and items connected, fill in the installation card with testing date and details and leave inside Conductor Hub unit.
20. Fill out meter box sticker and attach inside meter box to show compliance.





HOUSE/COMMERCIAL INSTALLATION

1. Select a suitable location for the hub. We recommend installation in the laundry underneath the washing machine in a home application and in the service room at the switchboard in a commercial application. Consult with builder/homeowner.
2. Confirm items to be connected (if there is more than one hub in project).
3. If extra items are to be connected to the hub, drill out marked holes and connect the conduit fittings supplied in box.
4. Mark reinforcing steel where the bar is to be connected, inspect the steel and clean with a wire brush before beginning installation if required.
5. Place the hub in position and feed the copper bar through the square holes (the holes in the copper bar need to face upwards and need to be centered in the hub).
6. Using the stainless steel zip ties, tie the copper bar in place (four locations required, two each side).
7. Attach 20mm conduit to main hole coupling provided and run to a location that can be connected to later (wall frame or cavity).
8. Using the last cable tie, fix the conduit to reinforcing steel (this will hold the hub in position).
9. Using the two series 5 stainless screws supplied, attach the busbar to the copper bar inside the hub.
10. Feed draw wires into the busbar and tighten the connections.
11. Fill in installation card provided and leave in hub.



HOUSE/COMMERCIAL INSTALLATION

12. If setting hub in finished concrete, cut the hub down to height. The lid assembly will then need to be glued in with silicone.
13. If the hub is being positioned in a room to be tiled, leave the base at full height and just place lid assembly on firmly (do not glue/silicon at this stage).
14. Once the floor product has been selected, cut the base sides down to height and install/affix the lid assembly.
15. Once fully installed, final connection/testing can be carried out and the installation card can be left in the hub.
16. Fill out meter box sticker and attach inside meter box to show compliance.



ARE YOU INSTALLING THE CONDUCTOR HUB INTO A TILED AREA OR DECK?

You can upgrade the lid assembly.

Colour options as below can be ordered through:

www.evolutionwls.com.au



BEIGE



BROWN



WHITE



DARK GREY





**ENSURE YOUR COMPLIANCE WITH AS/NZS3000
& YOUR CLIENTS' SAFETY.**

Use the Conductor Hub.



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