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something required, now desired

House Numbers / Letterboxes

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Installation Guide for Number Solar Panel

Before starting, work out where you will get the most sun in relation to where your Number Plate is going to be mounted.

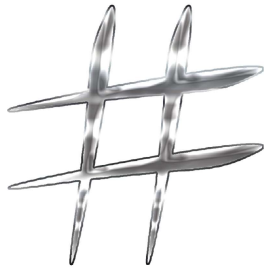
In some locations it may be better to have the Solar Panel on the reverse side of the wall, if that side receives more sunlight. Other location may require the Solar Panel to be mounted at the top of the wall above the Number Plate

The Solar Panel will need a day at first too charge the batteries, before the light works for the first time.

Aim to get as much sun on the Solar Panel per day as possible, ideally at least 6 hours to allow it to recharge the batteries.

Next work out if it is feasible to drill a hole straight through your wall behind where the Number Plate will be mounted, this will allow a nice clean install without showing the wire to the Solar Panel travelling out through the top of the Number Plate and up the wall.

1. Using the Template provided, position it in the spot you want to mount the Solar Panel.
2. Use a small spirit level placed on the top edge of the template to make sure it is level.
3. Now mark with a suitable marking pen, mark through the 3 template holes, onto the surface you are attaching the Solar Panel to, or just use the drill to mark the holes
4. Once marked double check with the Template in position that all the marks line up through the holes.
5. You will require either a 6 millimetre diameter masonry drill for mounting to render, brick, or concrete, or a normal 3.5 millimetre drill for timber or steel. (Note that the material you are mounting to should be a minimum of 30mm thick (1 & 3/16 inches) otherwise the screw will protrude through the rear of the material.
6. We recommend that you drill the top 2 holes, and then recheck with the template that the 3rd bottom hole mark still lines up.
7. Once you have the 3 holes drilled, push the red plastic plugs into each hole, (the plastic plugs are not required if you are mounting on Steel, Aluminium, or Timber)
8. Now screw the bottom Stainless Steel Screw into position leaving it sitting about 4mm out from the surface of the wall.
9. Fit the Solar Panel over the top of the bottom screw, then screw the top 2 screws into place.
10. Once you have attached the Number Plate, now just join the wire from each using the inline plug
11. If you have run the wire up the front of your wall you may want to tidy it up by gluing it against the wall and then painting over wire the same colour as the wall.
12. If you have excess wire left you can cut a section out of the wire and re-join it using the 2 solder wire connectors provided, making sure you join the red wire to the red wire, and black wire to black wire.
13. To re-join the shortened wire, slide each alternate wire end into the middle of the solder joiner making sure they are overlapping then simply heat the solder in the centre of the joiner until it slightly melts, do the same with the red ring on each end of the joiner so that they shrink around the wire preventing any water from getting in, being careful not to overheat and melt the plastic coating



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Installation Guide for Backlit Number Plates

1. Using the Template provided, position it in the spot you want to mount the Number Plate.
1. Use a small spirit level placed on the top or bottom edge of the template to make sure it is level.
2. Now mark with a suitable marking pen through the 4 Template holes, onto the surface you will be mounting the Number Plate to. Or just use the drill to mark the holes
3. Once marked double check with the Template in position that all the marks line up through the holes.
4. You will require either a 6 mm diameter masonry drill for mounting to render, brick, or concrete, or a normal 3.5 mm drill for timber or steel. (Note that the material you are mounting to should be a minimum of 30mm thick (1 & 3/16 inches) otherwise the screw will protrude through the rear of the material.
5. We recommend that you drill the top 2 holes, and then recheck with the template that the bottom hole marks are still lining up.
6. Once you have the four holes drilled, push the red plastic plugs into each hole, (the plastic plugs are not required if you are mounting on Steel, Aluminium, or Timber)
7. Now screw each of the 4 Stainless Steel Screws into position leaving them sitting 6mm out from the surface of the wall. We have included a white 6mm spacer, just slide the spacer between the wall and the underside of the screw head, then tighten the screw until it contacts the spacer.
8. Next step is to work out if you want to drill a hole through the wall to allow the led wire to be passed through and not be seen from the front. Otherwise you will need to position the wire through the small cut out on the top back edge of the plate
9. Now fit the actual plate over top of the screws so that it sits down into the keyhole cut outs at the back of the plate.
10. Now using the screws protruding from the bottom edge of the plate, simply screw them up until they stop. (This will stop the plate being moved up and off the wall screws).

Maintenance

Wash with soapy water whenever it appears dirty or dusty.

Do not use window cleaner or abrasive cleaning products.

For stubborn marks use a small amount of Kerosene