

## Fitting your own faceplate to a Sensor Switch module

We suggest using a thin layer (1mm thick) of bathroom silicon sealer for fixing your module to your chosen switch plate. – Try to minimise any air gap between the faceplate and the module.

When fitting a Ceramic Tile with a Sensor Switch module mounted on it, use a small blob of silicon paste at each corner of the tile to mount it to the wall surface, then grout the tile in question to about ¾ depth with silicon. This will ease access to the module should it ever be necessary as well as isolating it from the surrounding wall surface. You can then over-grout with your normal grout. Make sure that you do not position your “sensor tile” where water can splash directly on it. If your tile is in a bathroom we suggest that, to fully comply with the latest regulations as regards double insulation, the Sensor Switch Module is mounted first on a thin piece of plastic which has a larger surface area than the Sensor Switch; this plastic can then be adhered to the tile as above.

If your chosen switch plate is a wooden one, please ensure that the wood is sealed *completely* by using a varnish or polyurethane, this includes the rear surface where you are mounting the Sensor Switch Module. The reason for this is that wood is hygroscopic (it will absorb water) and the Sensor Switch sensing field can be reduced should the wood take up too much water from the atmosphere.

Metal switch plates can be used but certain precautions are necessary:-

- 1 If your pattress (back box) is metal, it will be earthed. If the metal switch plate is fixed to the pattress using metal screws it will also be earthed – this earth will effectively drown the sensing field. There are 2 easy ways of solving this problem:
  - (a) use plastic screws which we can supply to you.
  - (b) Use a Sensor Switch with our standard white plastic faceplate fitted and screw this to the pattress with the normal metal screws, place a small square of insulating tape over the screw heads once done up. Adhere your metal plate to the front of the plastic faceplate. This method has the advantage of not showing the mounting screws.
- 2 If your pattress is plastic; none of the above precautions should be necessary.
- 3 If fitting a Sensor Switch with a metal switch plate to a wall surface which is, or could get damp, there is a chance that this dampness could affect the earth characteristics of the wall and in turn reduce the effectiveness of the sensing field or even lead to “cycling” or switching on and off of the Sensor Switch. Should you come across this happening, place a gasket of rubber or plastic between the switch plate and the wall, which will break the earth contact.
- 4 More than one module can usually be fixed to a given faceplate – this is NOT the case with metal faceplates where only one Sensor Switch module per faceplate should be fitted.

When testing a faceplate, make sure that you are not holding it when power is switched on – if you are holding it, the switch will calibrate out not only the faceplate but you also - and will therefore not recognise your hand operating it! Also remember, your Sensor Switch might not work correctly until any silicone or adhesive etc. is dry.

N.B. MDF. – It is not recommended that you install modules into parts of MDF sheets. MDF is very hygroscopic. If you wish to use modules in conjunction with MDF which is laminated, rout out the MDF right through to the underside of the laminate, and attach the module to the laminate.

It is advisable to protect your Sensor Switch from large transient voltage spikes which may be produced when a bulb blows, this can be done by inserting a 2amp fuse in line on the output wire (between Sensor Switch and lamp). We can supply these fuse + fuse carriers.

**The Sensor Switch is not suitable for use with Fluorescents ( Including low energy PEs), it should also not be used with “electronic transformers”. Wire-wound (real) transformers are OK and using them to switch or dim low voltage halogens is no problem. If you need help to find a wire-wound transformer, please call us.**

Please note that sometimes your Sensor Switch will not behave correctly until any adhesive and silicone sealant has dried completely.

If you have any questions at all, please call our Sensor Switch help desk on 01548 511498 and we will be pleased to advise you on your specific application.

