

MS20 INSTALLATION DETAILS

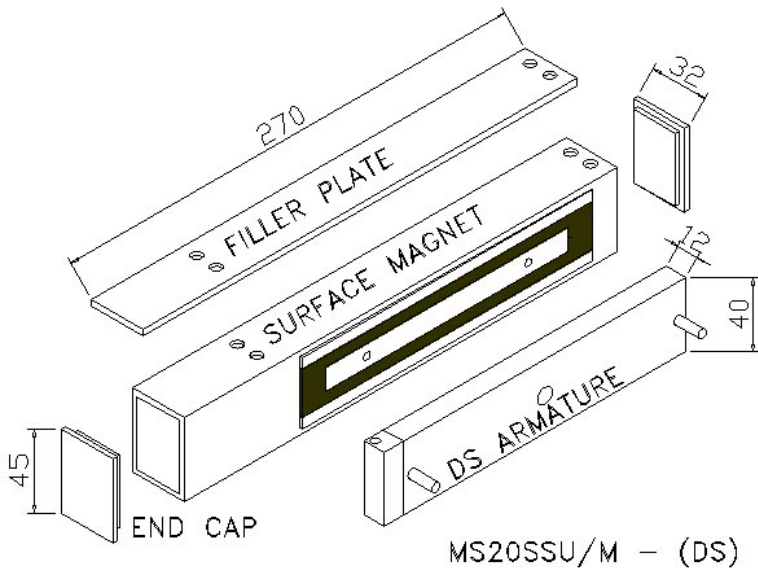


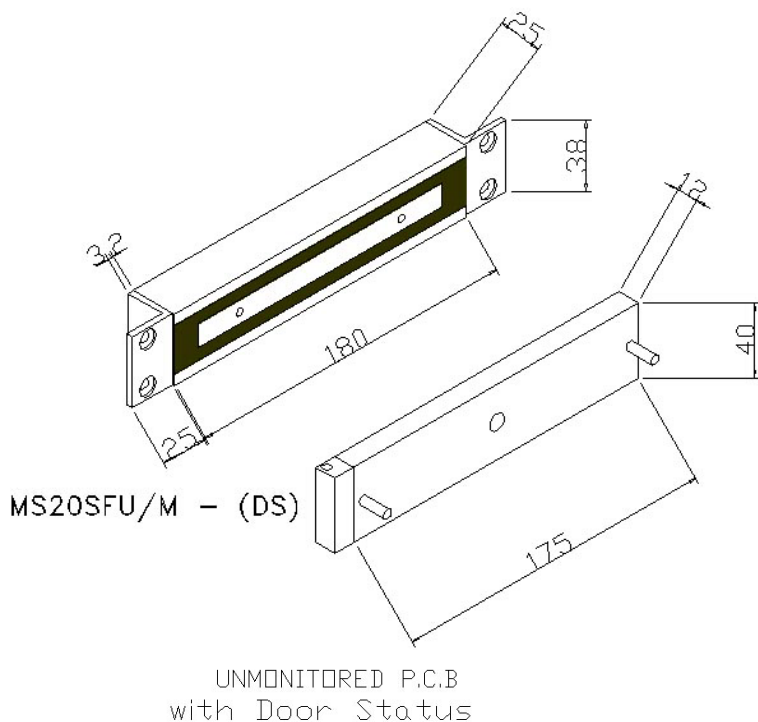
Fig 6 to the left shows the component parts of the single magnet and comprising:-

- 1 x Magnet either Unmonitored or Monitored
- 1 x Housing (surface version only)
- 2 x Glass filled nylon end caps (surface version only)
- 1 x Filler plate (surface version only)
- 1 x PCB either Unmonitored or Monitored
- 1 x Armature Plate
- 1 x Door Fixing kit for Armature and Magnet

Optional extra **DS** door status reed switch comprising:

- Door status reed switch integral with magnet
- Permanent magnet fitted onto the Armature plate.

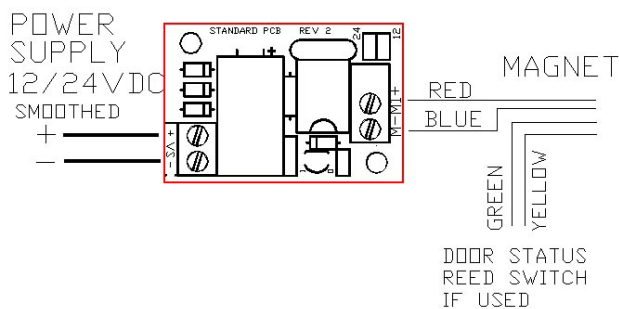
Mounting Brackets and Covers see other side.



Outward Opening installation:-

Consult Figs 1, 2 for the nearest example.

- The housing should be positioned 19mm from the door closed position or the Magnet positioned 18mm from door closed position to allow for the fitting of the Armature.
- Wire to PCB which can be fitted into the PSU or positioned locally to the lock.
- The Magnet can be powered up and with the Armature positioned centrally the anti-rotation pins can be used to mark the door and find the centreline for the centre fixing bolt.
- The Armature **must not** be tightened fully as it needs flexibility via the rubber washer.



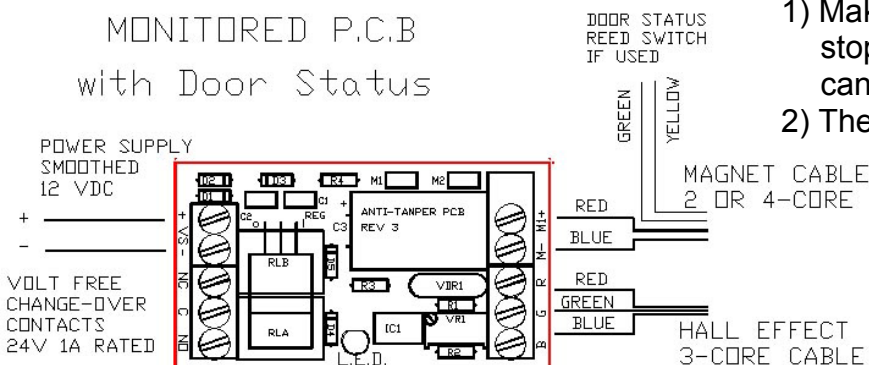
Inward Opening installation

- Use Z & L bracket as Fig. 3
- Or dispense with the L bracket and fix through the rear of the Magnet housing. After removing magnet, drill and c' sink, fix in place then refit magnet.
- or Flush magnet into frame if wide enough

Sliding door installation

Consult figs. 4 or 5 for best option.

- Make sure the Magnet does not become the door stop. Some positional adjustment of the armature can be gained by adding or removing washers.
- The armature must be free to self align.



MS20 INSTALLATION OPTIONS & INSTRUCTIONS

Typical **Outward** opening arrangements are shown in Figs. 1, 2 & 6

Typical **Inward** opening door arrangement shown in Fig. 3 & 6

Typical **Sliding** door arrangements are shown in Figs. 4 & 5

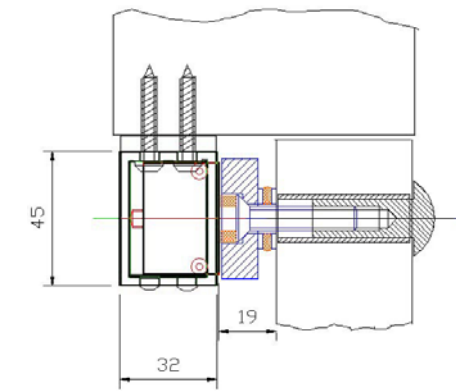


fig. 1 Outward opening door with large 'reveal' :-

Remove magnet by unscrewing set screws in centre pole using 3mm hex key. Position housing such that its face is 19mm from the door closed position.

i.e. a 19mm or $\frac{3}{4}$ in spacer block could be used to position whilst drilling the fixing holes. Use filler plate if magnet needs to be lowered to accommodate the Armature position. Refit magnet, apply power and offer up the Armature centrally and use it to mark the door position.

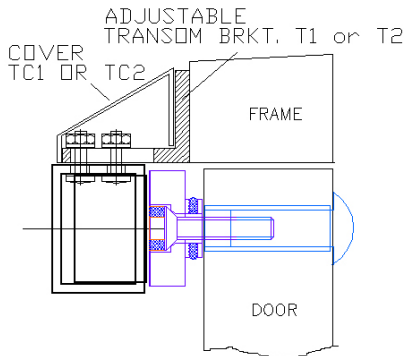


fig. 2 Outward opening door with no 'reveal' :-

Fixings can be accommodated by using the **MS10/15/20 T1** or **MS10/15/20 T2** (Adjustable Transom Bracket single or double)

This allows for magnet position adjustment to suit door / frame. To give a clean architectural finish and hide the fixing screws order a Transom cover **TC1** (single) or **TC2** (double), std. satin aluminium.

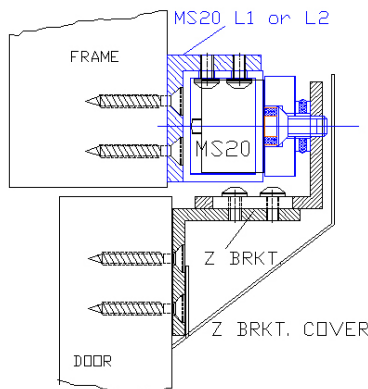


fig. 3 Inward opening doors require a **Z & L** bracket :-

MS20 L1 or **MS20 L2** bracket to attach Magnet(s) to door frame.

MS10/15/20 Z bracket to attach Armature to door, with some adjustment.

Z bracket cover **MS10/15/20 ZC** available in different finishes to match door furniture to give clean finish and to hide fixings.

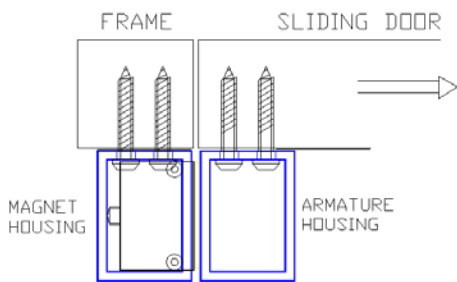


fig. 4 Sliding doors :-

Can be accommodated using Surface mounted Magnet & Armature.

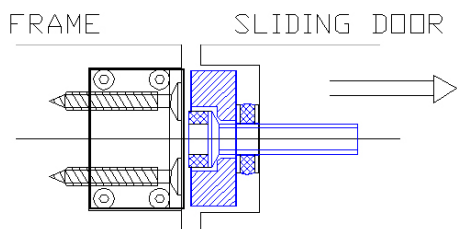


fig. 5 Alternative Sliding doors fixing :-

Flush mounted Magnet & Armature.

Special armature fixing blocks can be made to suit either wood or aluminium doors.

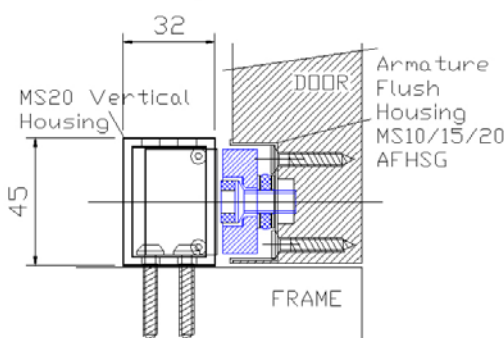


fig. 6 Inward / Outward opening doors with wide (45mm min.) stop post or frame.

Both Magnet and Armature can be recessed. Use the flush mounted armature housing **MS10/15/20 AFHSG**.