

# MS15 INSTALLATION DETAILS

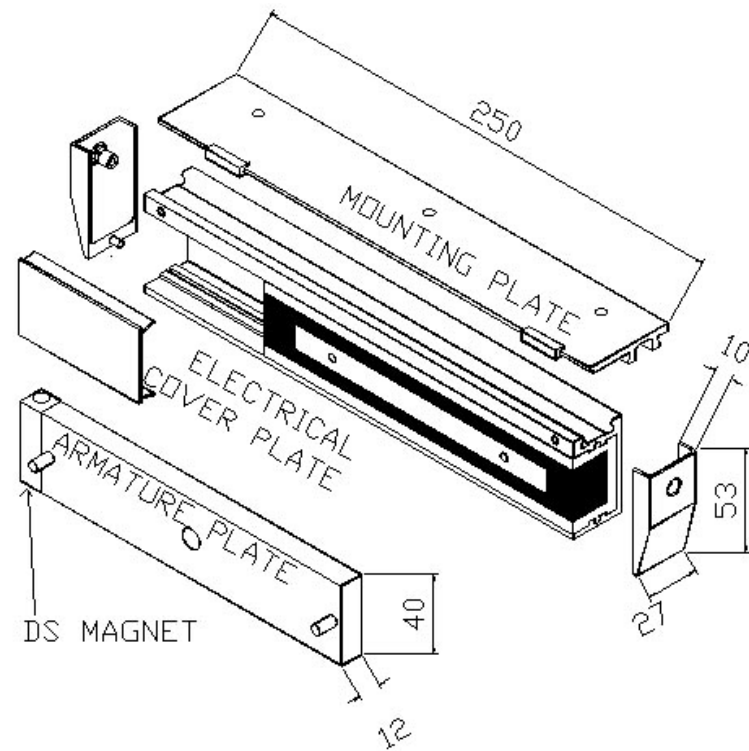


Fig 1 shows the component parts of the single magnet and comprising :-

- 1 x Magnet either Unmonitored or Monitored.
- 1 x Housing
- 2 x Glass filled nylon end caps (screw on)
- 1 x Mounting plate
- 2 x Plastic spacing beads
- 1 x PCB either Unmonitored or Monitored
- 1 x Electrical chamber cover plate
- 1 x Armature Plate
- 1 x door Fixing kit for Armature
- 1 x spare Glass filled nylon end cap (push on)
- 5 x Pozi self tapping screws to fix magnet mtg. plate.

Optional extra DS comprising :-

- Door Status reed switch embedded within magnet.
- Permanent magnet fitted onto the Armature plate.

For Brackets and Covers see front page.

Outward Opening installation:-

Consult Figs 1 to 4 for the nearest example.

- Remove both end caps.
- Remove mounting plate by loosening the setscrews and fit plastic spacing beads at each end of plate.
- Close door and with the plastic spacers touching door, slide the mtg. plate up to the top frame and fix firmly, allowing approx. 25mm clearance from side frame.
- If insufficient fixing then consider either drilling extra holes on centre lines provided or use Transom Brkt.
- Fit Magnet / housing and tighten setscrews.

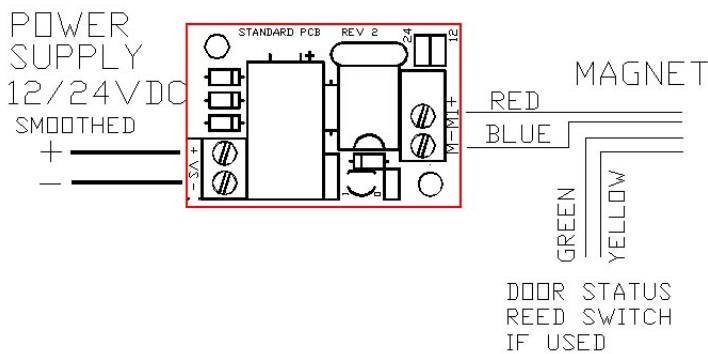
Remove spacers.

- Magnet left or right position can be altered by loosening centre setscrews sliding it out of housing to suit door opening or electrical wiring and relocking in the new position.
- Cable entry/exit can be arranged for at either end cap or anywhere along the central void of the dovetail joint.
- Wire to PCB refit cover plate and end caps.
- 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 centre-line for the central fixing bolt.
- The Armature must not be tightened fully as it needs flexibility via the rubber washer.

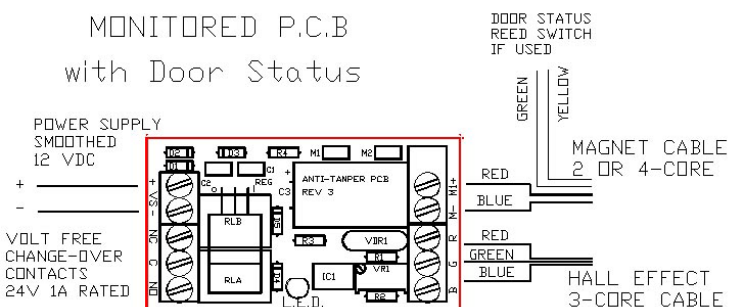
Inward Opening installation:-

- Use Z & L bracket as Fig. 5
- Or dispense with the L bracket and fix through the rear of the Magnet housing as described in Fig.5

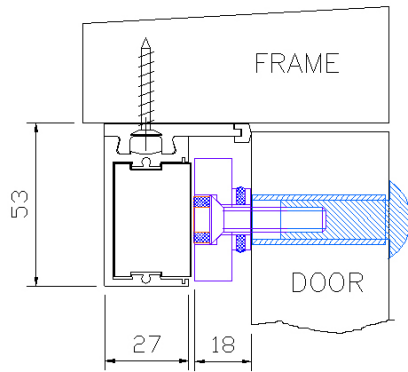
UNMONITORED P.C.B  
with Door Status



MONITORED P.C.B  
with Door Status



# MS15 INSTALLATION OPTIONS & INSTRUCTIONS



Typical **Outward** opening arrangements are shown in Figs. 1 to 4  
Typical **Inward** opening door arrangement shown in Fig. 5

All side views are applicable to **Single Surface** magnets:-MS15SSU/M  
or **Double Surface** magnets:- MS15DSU/M

fig. 1 Outward opening door with large 'reveal'.  
Fixing via standard fixing holes, the large footprint offered by the mounting plate gives a solid platform.

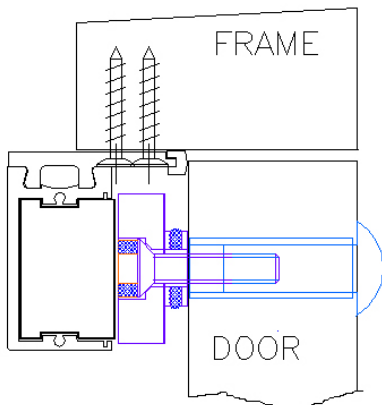


fig. 2 Outward opening door with narrow 'reveal'  
Extra fixing points can be achieved forward of the magnet face by drilling 5mm diameter and countersinking with 10mm diameter bit such that the head of the screw is under flush with bracket.  
Two centre lines are ready scribed to allow easy drilling.

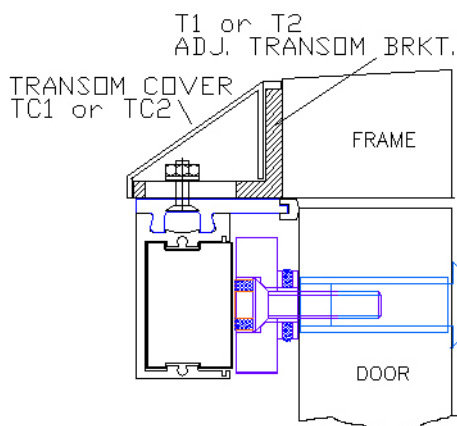


fig. 3 Outward opening door with no 'reveal'  
Fixings can be accommodated by using the **MS10/15/20 T1** or **MS10/15/20 T2** (Adjustable Transom Bracket single or double)  
This allows for magnet position adjustment to suit door/frame.  
To give a clean architectural finish and hide the fixing screws order a Transom cover **TC1** (single) or **TC2** (double), std. satin aluminium.

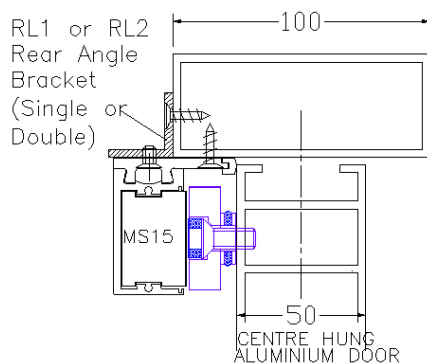


fig. 4 Aluminium Centre hung door set.  
Front fixings are possible but generally, if a clip in plate is used, there is not enough support given.  
The **MS15 RL1** or **MS15 RL2** Rear L bracket gives extra support (also consider MS41 shearlock).

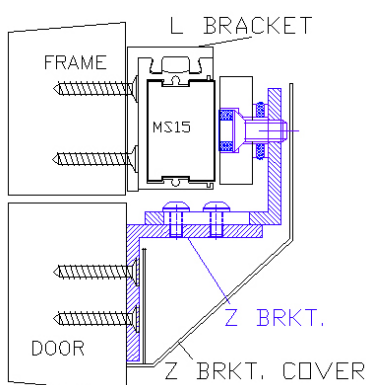


fig. 5 Inward opening doors generally require a **Z & L** bracket :-  
**MS15 L1** or **MS15 L2** bracket to attach Magnet(s) to door frame.  
**MS10/15/20 Z** bracket to attach Armature to door with some adjustment.  
**Z** bracket cover **MS10/15/20 ZC** available in different finishes to match door furniture to give clean finish and to hide fixings.  
It is possible to fit the Magnet housing to the frame without using an L brkt by removing the magnet from its housing then drilling 4 holes on the centre lines provided, 5mm diam. with 10mm countersink allowing the screw heads to sit under flush.  
Fit housing to frame then replace Magnet.