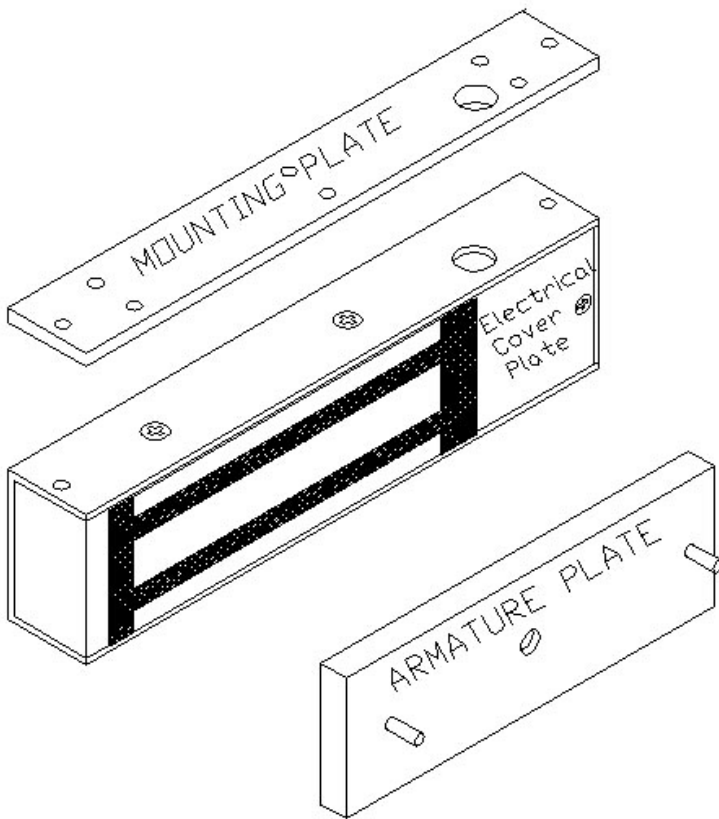
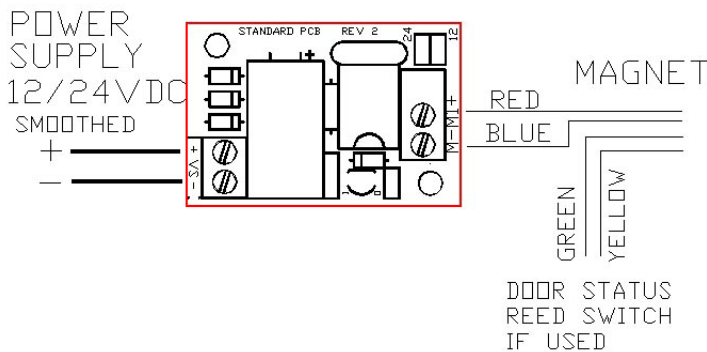


MS30 INSTALLATION DETAILS



UNMONITORED P.C.B
with Door Status



MONITORED P.C.B
with Door Status

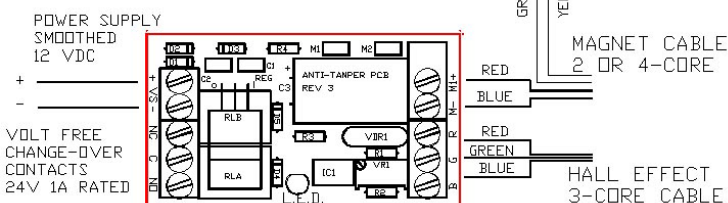


Fig. 5 to the left shows the component parts of the single magnet, comprising :-

- 1 x Magnet either Unmonitored or Monitored.
- 1 x Housing
- 1 x Mounting plate
- 1 x PCB either Unmonitored or Monitored
- 1 x Electrical chamber cover plate
- 1 x Armature Plate
- 1 x door Fixing kit for each Armature
- 6 (for single) Pozi Twin wood screws to fix mtg. plate.

Optional extra **DS** comprising :-

- Door status reed switch fitted inside cover plate
- Permanent magnet fitted onto the Armature plate.

Outward Opening installation :-

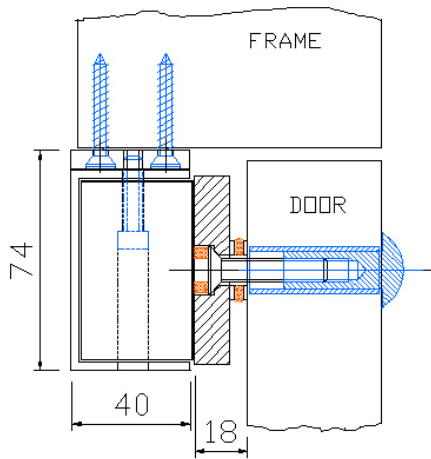
Consult Figs 1 to 4 for the nearest example.

- For fig. 1 remove mounting plate and fit in position either by using template or by setting its leading edge at 19mm or $\frac{3}{4}$ inch from face of the door when in its closed position.
- For fig. 2 remove mounting plate from magnet housing and attach to special extended mounting plate the position as 1) above.
- When using the adjustable transom Bracket in fig. 3 fit the Armature plate first paying careful attention to where the Magnet / Bracket will be positioned. The centre line position in both planes is important to make sure magnet and armature are in full contact. See also 5) below for door hole sizes.
- Wire 12v or 24v DC power supply to PCB. 24v DC gives maximum performance.
- The magnet can be powered up with the Armature positioned centrally and the anti-rotation pins can be used to mark the door and find the centre-line for the central fixing bolt. For solid doors drill 13mm diam. Centre hole and 7mm diameter anti-rotation pin holes. For other doors drill 16mm diam. Centre hole and use the aluminium spacer provided.
- The flexible mounting rubber washer and steel support washers should be fitted between the armature and door. Any fine adjustment can be accommodated via the number of steel washers used.
- The armature **must not** be tightened fully as it needs flexibility via the rubber washer.

Inward Opening installation :-

- Use Z & L bracket as fig. 4
- Adjustment of armature position via slots in upper Z bracket.

MS30 INSTALLATION OPTIONS & INSTRUCTIONS



Typical **Outward** opening arrangements are shown in Figs. 1 to 3
Typical **Inward** opening door arrangement shown in Fig. 4

All side views are applicable to **Single Surface** magnets:-MS30SSU/M*
or **Double Surface** magnets:- MS30DSU/M*

U = unmonitored **M** = magnetically monitored (hall effect)

*Add '-DS' for a door status version e.g. **MS30SSU-DS**

fig. 1 Outward opening door with large 'reveal'.
Fit mounting plate in position via template provided or :-
by measuring 19mm (3/4 inch) from closed door position to face
of magnet.

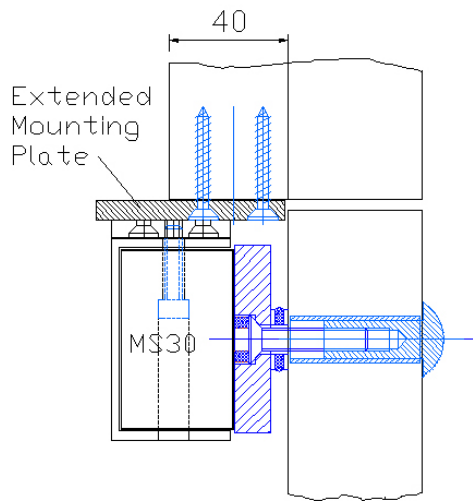


fig. 2 Outward opening door with narrow 'reveal' (approx. 40mm)
Consider using special extended mounting plate single or
double **MS30-EP1** or **MS30 EP2** or flush mounting the armature
into the door using flush mounted armature housing **MS30**
AFHSG

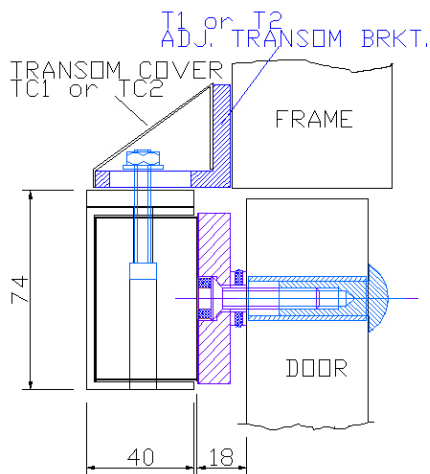


fig. 3 Outward opening door with no 'reveal'
Fixings can be accommodated by using the **MS30T1** or **MS30T2**
(Adjustable Transom Bracket single or double)
This allows for accurate magnet position adjustment to suit door
/ frame.
To give a clean architectural finish and hide the fixing screws
order a Transom cover **MS30TC1** (single) or **MS30TC2**
(double), standard finish satin aluminium.

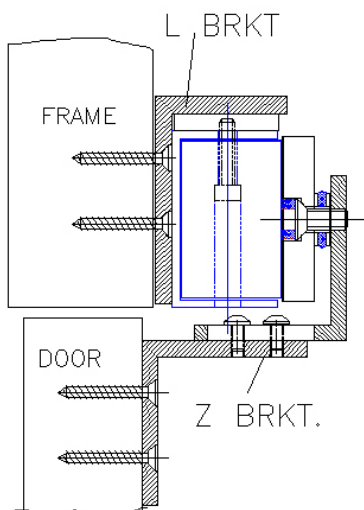


fig. 4 Inward opening doors generally require a **Z & L** bracket :-
MS30 L1 or **MS30 L2** bracket to attach Magnet(s) to door frame.
MS30 Z bracket to attach Armature to door with some
adjustment.
Consider Z bracket cover **MS30 ZC** available in different finishes
to match door furniture to give clean finish and to hide fixings.