

## Switches – Metal Plate

The largest metal plate range in Australia, Clipsal offers the market a choice of lacquered 'polished brass' or 'stainless steel' finishes. Two plate styles are also available: A-style curved or B-style flat.

The 'A' style is a prestigious plate, similar in shape to the Standard Series, where the 'B' style is a versatile flat, heavy gauge plate that is suitable for architrave, standard pattern mounting, and large multigang wall system applications. These products are very popular in commercial offices, hotels, kitchens, hospitals, jails or upmarket residential projects. In particular the Metal Plate multigang switch arrangements provide almost unlimited switching capacities, as standard they can accommodate up to 72 switch mechanisms.

### Light Switches shall:

- Comprise a heavy duty mechanism of rocker operation similar to the Clipsal 30 Series
- Be mounted in a one-piece, moulded, impact and chemical resistant polycarbonate grid plate with screwed on metal cover, and with a 22mm diameter hole similar to the Clipsal A, B or BSL 31 Series
- Be manufactured in accordance with AS/NZS3100, AS/NZS3133 and other relevant Wiring Rules and Electrical Supply Authorities requirements
- Be ganged under a common flush plate, where multiple switches on the same circuit are located
- Be ganged under separate flush plates mounted adjacent where multiple switches on separate circuits are located
- Be vertically or horizontally mounted as indicated
- Ensure all vertical models can be converted to horizontal by removing mechanisms and turning them 90° before replacing
- Be flush mounted within a Clipsal 157, 162, 163 or 164 Series wall box having adjustable metal fixing lugs where located in masonry walls
- Be flush mounted within a 155 Series metal bracket fixed to a stud or noggin, where located in stud partitions.
- Be flush mounted within a 154 Series metal wall clip if unable to be fixed to a stud, noggin or masonry
- Have cover plates engraved or labelled with circuit identification labelling system (e.g. Clipsal 30PID tamperproof identification plug)
- Have mechanisms secured to plates via Clipsal 31J screws to resist being pushed in
- Be of Clipsal architrave type where standard plates cannot be fitted
- Be of same type and manufacture as socket outlets
- Be fitted with a Clipsal 90F insulating shroud, where located within metal door frames or metal mullions of demountable partitions
- Where fire ratings of walls are required, Clipsal 157/1F or 157/2F (for cavity walls) and F157/1 (for masonry walls) fire rated wall boxes are to be used and installed as per manufacturer's instructions. Wall boxes are to be tested to AS1530.4 and AS 4072.1
- Where acoustic ratings are required for sound transmission, Clipsal 157/1F or 157/2F (for cavity walls) and F157/1 (for masonry walls) acoustic rated wall boxes are to be used and installed as per manufacturer's instructions. Wall boxes to be tested in accordance with AS1191, AS1276, AS1045, for sound transmission and achieve a rating of up to Rw50 or STC50 using Clipsal accessories and various wall materials
- Ensure fluorescent luminaries are switched using mechanisms similar to Clipsal 30FLM, 30USM, 30PB or 30PBL, which are suitable for fluorescent loads.

- In areas of high security, flat metal plates (B or BSL style) need to be provided with rounded corners to prevent products being used as weapons.
- Security Metal Plate products need to be provided with corner fixing mounting facilities (in each corner of fascia plates) to prevent products being levered off wall.

**Multi Gang Switch Panels shall:**

- Be selected as per the schedule of accessories
- Be flush mounted within a 157, 162, 163 or 164 Series metal wall box
- Be fitted with a Clipsal B stainless steel flush plate (1.6mm thickness) fixed by metal thread screws into tapped metal fixings; threaded plastic fixings are not acceptable
- Be arranged so that the switches are individually secured within a mounting plate behind the metal flush plate
- Have the flush plate engraved, complying with marking to indicate the purpose of each switch or use labels provided with Clipsal 30L Series 'punched window' flush plates
- Be suitable for accommodating switches connected to separate circuits and phases
- Comply with current Electro Magnetic Compatibility (EMC) regulations and be marked with C-Tick or RMC compliance marks.