

Aluminium Enclosures



Single Wall Aluminium Enclosures

Wall Mounting Enclosure:

- The complete enclosure is made from 3mm thick aluminium alloy (Almg) to provide a strong and rigid construction.
- Suitable mounting bolts are provided to fix the mounting plate.
- The door frame opening is given a gutter form, which increases the strength of the door opening and help prevent dust and liquid from dropping into the enclosure, when the doors are opened.
- Enclosures are provided with four holes on the back plate for fixing on the wall.
- Full gland plates are provided to facilitate more space for cable glands and entry from top and bottom.

Door:

- Wall mounting enclosures door are provided with single point latching mechanism locks of DIN standard (double bit type) from EMKA Germany.
- The main door is sealed with polyurethane foamed gasket to ensure IP55 degree.
- Easily removable aluminium alloy hinges allows over 120 degrees of opening, Aluminium hinges are provided to avoid the possible rusting.

Floor Mounting Enclosures:

- Floor mounted enclosure are fixed with the plinth having two holes reinforced with pipe for lifting purpose.
- Provision for mounting thermostatically controlled forced air fan system is possible to be provided.

In this case air is exhausted through a slotted vent system in the canopy.

- Canopy is standard with all floor mounted enclosure which further ensures the prevention of water from dropping inside the enclosure.
- Provision of fixing door switch and light is standard feature.

Finish:

- Natural aluminium enclosures are mill finish.
- Painted enclosures are treated with a five (5) stage Zinc Phosphate coating and dried by radiant heat.
- The standard finish coat is RAL-7032 textured polyester powder, which is good corrosion resistance.
- Degree of protection IP55.

Optional:

- Fixing of channel inside the enclosure for varying depth of mounting plate. (It should be specified while placing the order)
- Steel brackets for wall fixing.
- Canopy further ensures the prevention of water from drooping inside the enclosure.
- 200 mm height plinth.
- T - handle with or without lock.
- Door switch with light.
- Louvered air vents on the door.
- Air vents (IP55) on the side of the box.
- Any RAL colour other than the standard colour. (RAL 7032 textured)

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Double Wall Aluminium Enclosures

MES Double Wall Aluminium Enclosures are manufactured under strict quality control. These enclosures are provided with louvers to have air flow between the outer and inner cabinet. This replaces the warm air inside the cabinet, as a result the inner temperature significantly drops. These types of enclosures are normally recommended for sensitive equipments like electronic devices, traffic control systems instrumentations and computer hardware.

Material:

Complete enclosure is made from 3mm thick aluminium alloy (Almg) to provide a strong and rigid construction.

Surface Finish:

After degreasing, etching followed by chrome passivation, Polyester Powder RAL 7032 textured makes the surface highly corrosion resistant.

Protection Degree:

The door frame opening is given a gutter form, which not only increases the strength of the door opening but also help prevent dust and liquid dropping into the enclosure, when the door is opened. The door is sealed with polyurethane foamed gasket to ensure IP 55 degree. In addition to all this canopy further ensure the prevention of water from dropping inside the enclosure.

Other Salient Features:

- Removable plinth and canopy.
- Large cable entry area.
- Removable gland plate with polyurethane gasket.
- High quality hinges and locks from EMKA Germany.
- Facility on door to mount additional component.

Optional Features:

- Door switch attachment.
- 200 mm height plinth in place of 100mm
- T-handle with or without lock.
- Special sizes and different colors.