USER MANUAL FOR STEEL JUNCTION BOX

1. Product Overview

2. Product Description

Our Steel Enclosures come with thickness of 1.2mm to 3mm. They are TIG welded for sound joint. Value added is the machining of conduit holes done to the enclosures on request. Lid and base are screwed together with stainless screws. Silicone gasket will be used for sealing.

3. Technical Data

Material:	Stainless Steel or Mild Steel
Surface:	Natural, brushed, painted or Electro polished
Lid Screws:	Stainless Steel / Mild Steel Hex Screws with rubber washer
Sealing/Gasket:	Silicone (Operating temperature: -60°C to + 140°C)
Mechanical Strength:	Impact Energy 20 Joules (IK 10)
Ingress Protection:	IP 66 in accordance with IEC 60529
Permissible load:	15kg (Dimensions: 433mmx433mmx120mm)
Conditions of use:	Outdoor

4. Installation/Commissioning

The enclosures are suitable for accommodating terminals, switches, cable glands, measuring instruments, control equipment and display units. When processing the enclosures, attention must be paid to ensuring that there is suitable minimum spacing between individual boreholes and from the sealing edge of the enclosure so that the enclosure with the fittings. The minimum spacing depends on the geometrical dimensions of the built-in components; a longer lever will require an increase in the minimum spacing and accordingly must be determined specifically.

5. Installation

In the case of enclosures that must be set up outside, it may be necessary to take measures to ensure that operation is in accordance with the intended use. This would include, for example, roofs as protection against rain or outer housings with an adequate protection class.

Note: Covers secured by screw tightening (hand tighten plus 1/4 turn) torque Minimum (4 Nm) required maintaining the environmental integrity IP66.

6. Commissioning

Each electric apparatus for a potentially explosive area must be selected in accordance with the conditions set down for the individual type of installation. The apparatus may only be used if it is undamaged and clean. Electric plants must be examined by a qualified specialist before first commissioning and regularly at specific intervals.

7. Operation, maintenance and failure rectifications

The operator of an electric plant must keep the operating equipment in an orderly condition operates it correctly, monitor it and do the required maintenance and repairs.

Maintenance and failure rectification work may only be carried out by qualified electricians. If the type of protection is affected, only original parts should be used for replacement (e.g. lid sealing).

Torque must be minimum done at 4 Nm.

Conformity with all applicable laws and guidelines must be ensured prior to re-commissioning. All applicable safety instructions must be observed prior to the implementation of any maintenance and/or failure rectification work.

8. Setup Tools

Depending on the placement and cabling of the enclosure, you may need the following tools:

Small flat-blade screwdriver

Small Phillips screwdriver

9. Earth Cabling

A mating earthing screw is provided connector is supplied with the enclosure.