COMM-CO
Communication today and tomorrow

PIU (Series)
EExd Power Inverter Unit

II 2 G D

The JCE range of Power Inverter Units are intended for use in areas made potentially hazardous by the presence of flammable liquids, gases or vapours (Zone 1 and Zone 2). Certified for Group IIB and H_2 locations.

All enclosures are chromate primed and polyester powder coated for increased protection against corrosion in hostile environments.

Power Inverter Units are custom built to suit specific requirements and can range from 2 Way to 60 Way.

Amperages range from 6 Amp to 63 Amp.

Materials and Finish

Body & Cover	Aluminium alloy EN AC-42000 (LM25) to BS EN 1706 :1998 with less than 0.2% copper content. EJBX2 only –Cast Iron to BS1452 Grade 14
Cover Bolts	Stainless steel (18/8)
Mounting Plate	Mild steel zinc plated (passivated)
Finish	Natural. A corrosion finish is also available, see options.

Earthing

All enclosures are supplied with a 6mm stainless steel (18/8) internal and external earth stud as standard. Larger internal earths can be fitted on request.

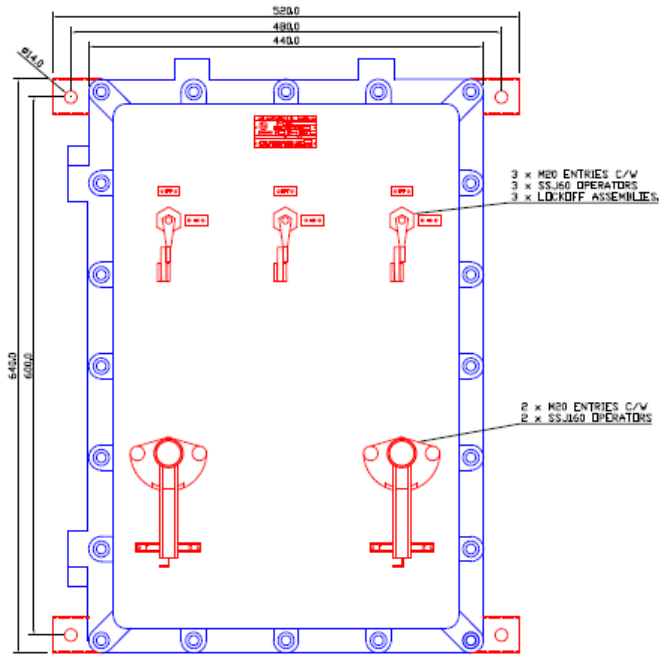
Entries and Thread Standards

Each side of an enclosure will accommodate a varying number of tapped entries. Please provide a sketch indicating enclosure required with size and location of each entry.
Standard thread forms available are ISO Metric M20-M90 or 1/2" - 3" NPT.

Protection Grade

Style 'A' flat lid enclosures incorporate a gasket providing Ingress Protection to IP66. All other enclosures are rated IP54, but can be increased to IP66 with the application of Hylomar PL32/M. Application of a non hardening grease to flamepaths and entries is recommended.

Typical Dimension
EExd Distribution Enclosure



Specifications

Options Hinges available EJB3A, 4A and 5A only, specify long or short side. Fitted as standard on EJBS1, EJBS2 and EJBX2. Chromate primed and polyester powder coated for added protection against corrosion - available on request. Mounting Brackets available on request. Certification Terminal enclosures - ISSeP03ATEX028 Control enclosures - ISSeP03ATEX029/ISSeP05ATEX077X	

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* Electrical values under standard test conditions(STC): irrediation of 1000 W/m², airmass AM 1.5 and all temperature of 25 ˚C

** Electrical values under normal operating all temperature (NOCT):irrediation of 800 W/m², airmass AM 1.5 wind speed os 1m/s and ambient temperature of 20 ˚C

*** 10 year or 90% of the minimally specified power P under standard test conditions (STC)

**** 20 years on 80% of the minimally specified power P