

BIIG ENERGY

FINEST ENGINEERING

ENGINEERED FOR RELIABILITY . BUILT FOR HARSH ENVIRONMENTS

Field Junction Box / Instrument Junction Box

2026



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BiigEnergy Marshalling Panels are designed to support analogue, digital, communication, control, alarm, shutdown, and safety-related signals. Marshalling Panels provide a centralized interface between field cables and control system I/O. They simplify cable termination, signal distribution, segregation, testing, commissioning, and future maintenance.

Our Marshalling Panels provide safe and efficient access for installation, commissioning, fault-finding, and maintenance. Terminal layouts, labelling, wiring routes, and device locations are arranged to improve visibility and reduce the risk of wiring errors. Spare capacity can be incorporated to support future plant modifications and system expansion.

Typical Applications

- PLC and DCS signal marshalling
- Remote I/O system integration
- Instrumentation and process control systems
- Emergency shutdown and safety systems
- Motor control and plant automation systems
- Mining and materials-handling facilities
- Water and wastewater treatment plants
- Energy and utility infrastructure
- Industrial processing facilities

Panel

- IP66 in accordance with AS 60529.
- Enclosure 1.5 mm SS316 fully welded construction.
- Backing Plate 2.0 mm Galvanised steel.
- N4 surface finish
- Doors 1.5 mm thick SS316.
- Polyurethane foam pour-in-place gasket.

Panel

- Cable entry bottom of the enclosure.
- Gland plate 2.0 mm SS316.
- Gland plate fitted with a gasket for IP66.

Label

- External main label Laser Engraved 1.0 mm SS316
- Internal labels Traffolyte
- Terminals identification numbers.

Key Features

- Custom-designed terminal arrangements
- Clear segregation of signal types
- Dedicated terminals for analogue and digital signals
- Shield and screen termination facilities
- Instrument earth and protective earth bars
- Fused and disconnect terminal options
- Knife-disconnect and test terminal options
- Surge protection and signal isolation options
- Interposing relays where required
- Intrinsically safe circuit segregation
- Internal wireways for organized cable routing
- Ferruled and labelled internal wiring
- Clearly identified terminal blocks
- Removable gland plates
- Front or rear cable access options
- Spare terminals and expansion capacity
- Wall-mounted or floor-standing construction

Industries We Serve

- ☐ Mining & Mineral Processing
- ☐ Oil, Gas & Energy
- ☐ Bulk Materials Handling
- ☐ Water & Wastewater Infrastructure
- ☐ Industrial & Commercial Facilities

Contact us for an
obligation-free quote
tailored to your project
requirements.

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Design and Built Philosophy

BiigEnergy Control panels are designed to provide safe, reliable, and operator-friendly field control for industrial equipment in harsh Australian environments. The design philosophy is centered on personnel safety, functional simplicity, durability, and compliance, ensuring that operators can start, stop, isolate, and monitor equipment with confidence.

