

APPLICATION GUIDE



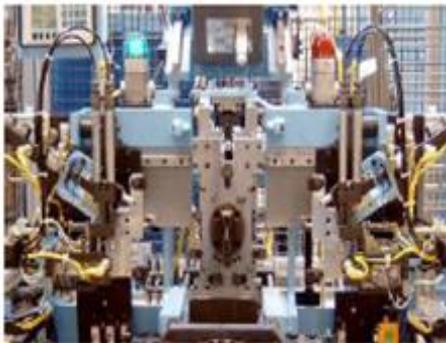
LOCOMOTIVE



MINING



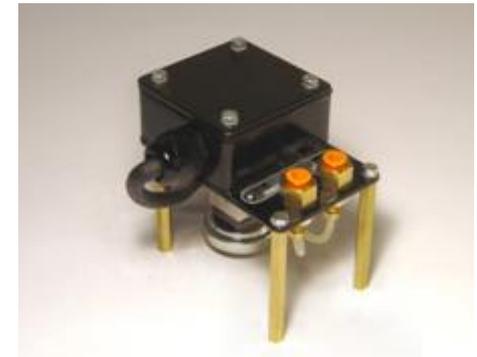
PROCESS CONTROLS



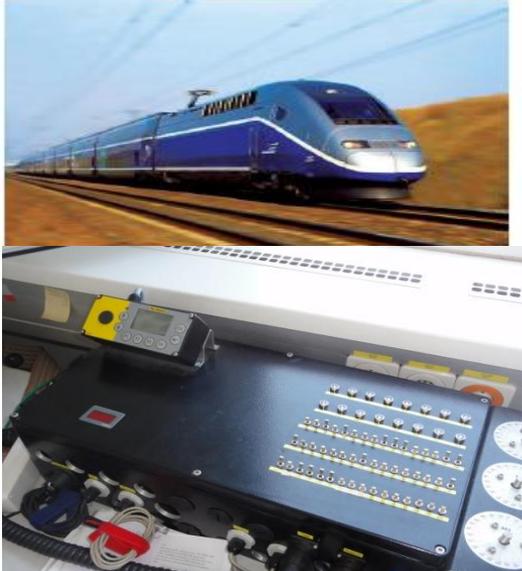
AUTOMATION



WIND TURBINE



METERING DEVICES



LOCOMOTIVE

In modern cabins of Locomotives where reliability & durability are the key requirements which need higher IP rated Aluminium enclosures. These enclosures are integral parts of the control panels & signal distribution system in locomotives.



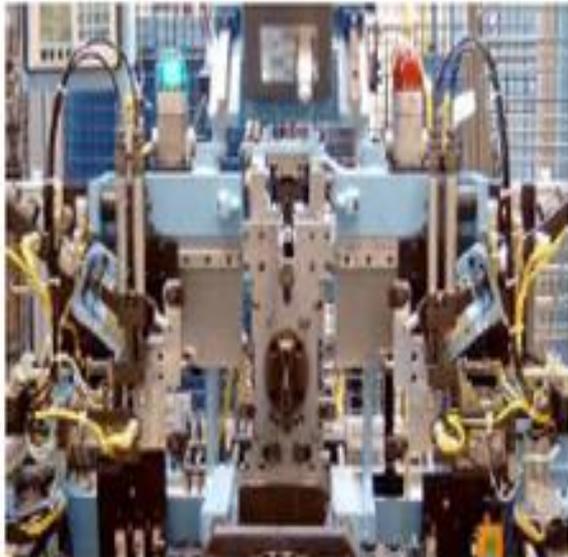
MINING

Mining equipments such as Trucks, Lifters, trollies , earthmovers need higher safety of connections against rough environments.



PROCESS CONTROLS

Application such as automated process controls, machine operation controls in power plants, In energy metering applications & food Processing industry, needs IP protected Aluminium enclosures.



AUTOMATION

Automation designed for a variety of industrial applications such as lifting equipment and heating and ventilation (HVAC) applications.



CRANE HOISTING

In modern cabins of Cranes of various types where reliability & durability are the key requirements which need higher IP rated Aluminium enclosures. These enclosures are integral parts of the control panels & displays with indicating lamps & push buttons.



SOLAR PANELS

Photovoltaic cells installation done by various contractors to preserve aesthetics by placing electrical junction boxes and combiner boxes under PV modules. Solar farms & roof top solar panel installation need higher IP rated Aluminium enclosures.





LOAD CELLS

Load cells manufacturers & PCB mounting integrators & Panel system integrators use higher IP rated aluminium enclosures which become housing for electronic connections.



OIL METERS

Products such as Oil meters, electronic thermometers, intelligent cooling controls use Higher IP rated aluminium enclosures.



BREATHERS

Dehydrating Breathers used in the expansion vessels of medium & large power transformer use higher IP rated Aluminium enclosures to safeguard connections against rough environments.



PRESSURE RELIEF DEVICES

Pressure Relief Devices which protects transformers from sudden pressure surges in turn uses higher IP rated Aluminium enclosures as a part of a product.



HIGH TORQUE BRAKES

Multi Pole - spring applied brakes are used in Passenger Lifts & escalators. Direct drives in modern Lift technology brakes with high braking torques, need IP protected aluminium enclosures.



DISPLAY KEYPAD

Display with Keypad used in the automation industry for various machines is based on the Aluminium enclosures where IP protection is the key requirement along with durability.



SPRING BRAKES

Spring Applied Brakes used in cranes, motors, warehouse equipments, woodworking machinery, vehicles for disabled persons uses higher IP protected Aluminium enclosures.



MEASURING DEVICES

Pointer thermometer are used to indicate oil and winding temperature. They always consist of a temperature sensor which is connected to the measuring device. These type of Various measuring devices & Metering devices need higher IP rated aluminium enclosures.



WIND TURBINE

In Wind turbines gearbox, generator, cooling systems, ice detection system, wind measurement system are the major areas which need higher IP aluminium enclosures.



BATTERY BACKUP SYSTEM

Battery backup system for mainly wind mills needs higher IP protected Aluminium enclosures.