Portable Relay Rooms & Control Rooms

Rapid on site integration of power system protection

Acrastyle's expertise in power system protection design and manufacturing enables us to provide portable relay rooms and control rooms. These allow the customer to quickly integrate the protection system on site with Plug-and-Play connectivity.

The portable relay rooms are self-contained, fully integrated portable buildings containing several interconnected sub-systems. Manufactured from GRP or stainless steel, these enclosures can be positioned at the substation or wind-farm site, often near the project completion date and simply cabled up to a single marshalling kiosk.

Railway Substation & Trackside Enclosures

Railway substations protection

Acrastyle's capabilities includes the unique design challenges presented by the nation's rail network. It has manufactured over a hundred protection schemes for railway substations and also has the ability to manufacture fully integrated portable railway control/protection rooms and trackside enclosures, manufactured from GRP or stainless steel.

These relay rooms and trackside protection enclosures are self-contained, fully integrated portable buildings which can be quickly positioned and cabled up to external protection equipment. Included in the enclosure are:

- A protection and local control scheme custom-designed for the power system or rail application
- A SCADA RTU which is fully integrated with the protection scheme, as well as all the other control and monitoring devices in the enclosure
- Heating, lighting, power supply and air-conditioning to ensure the plant and personnel operating the equipment experience optimal conditions
- A central marshalling box and cable gland plate for ease of external connections
- Battery charger and batteries

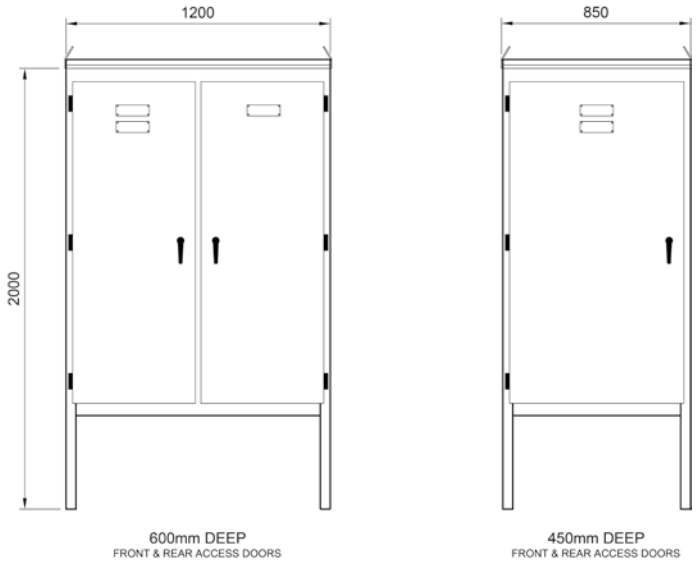
Fully Tested Enclosure

All systems tested as a fully integrated package

Once completed at our factory, the individual systems in the enclosure are first extensively tested as self-contained sub-systems, for example the protection scheme itself, then its interaction with the remote ends are simulated before the control elements.

All the systems are finally tested as a fully integrated package by injecting signals at the marshalling kiosk terminals, ensuring all the correct operations are performed and then detecting the outgoing signals at the marshalling point. This rigorous system testing makes sure that the entire system will perform seamlessly as a Plug-and-Play solution when finally positioned on site.

Enclosures & Kiosks (Outdoor & Indoor)



Standard double-bay & single bay kiosk sizes. All custom sizes available.

Substation Marshalling Kiosks & Supplies Pillars

Indoor & outdoor custom built marshalling kiosks

Acrastyle is a leading manufacturer and provider of marshalling kiosks and supplies pillars for electrical substations. They are used to provide convenient connection points for the various control, protection and instrumentation wires which go to, and come from, all the different substation plant. This includes power and instrument transformers, switchgear and SCADA equipment.

Marshalling kiosks can be supplied in either of two standard enclosure sizes or any custom size you require.

Electrically they are designed for each application, ensuring the correct amount of equipment is included for both the currently envisaged requirement and for future expansion. They can be supplied with a polished steel finish or painted in any industry standard colour.

Key Features

- Cable terminals and expansion terminal rails
- Fuse and test link arrays
- Cable management facilities and cable gland plates
- Miniature circuit breaker arrays
- Switches
- Isolation points
- Safety insulation barriers
- Substation auxiliary power supply sockets
- Pilot isolation transformers
- Lamps and indicators
- Thermostatically controlled anti-condensation heater and supplied pillars

ACRASTYLE LIMITED
Protection & Control for Your Power Systems

UVDB 059854 empowered by Achilles

North Lonsdale Road
Ulverston
Cumbria
LA12 9EB. United Kingdom.

Tel: +44 (0) 1229 583232
Fax: +44 (0) 1229 582586
Email: enquiries@acrastyle.co.uk
Web: www.acrastyle.co.uk