

Advanced PDU System

Efficient and reliable control of critical power

CONSTRUCTION

- Standard modular format
- Economic and compact configuration
- Fully welded construction

FORMAT

- Incomers - single or dual
- Outgoing sections - 1000+ ways
- Segregation - connect with PDU live and on load

FEATURES

- Intelligent monitoring systems
- Isolation transformers/static switches
- Thermographic imaging



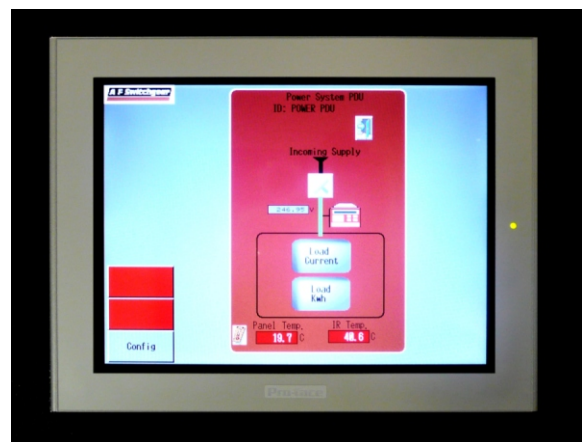
Format can be customised to suit individual client requirements and will accommodate components from most manufacturers



Distribution section MCB's



Typical termination section



High resolution colour touch screen HMI

Intelligent Monitoring System - Unique Features

Configurable CT backplane at time of order - not just fixed, i.e. standard is L1, L2, L3, L1, L2, L3, L1, L2, L3 etc. but PDU layout may require L1, L1, L1, L2, L2, L2, L3, L3, L3 etc.

CT backplane can accept L1, L2, L3 etc - not just L1 on one backplane, L2 on another, L3 on another etc.

24VDC powered Link Controller - not 240VAC. In the event of loss of mains, communications are still maintained.

Individual "power meters" per single phase way - not just individual current measurement with the other parameters derived at the "brain" unit, provides better measurement accuracy.

Digital power data from each single phase node - not analogue, hence less potential for interference.

Replaceable nodes in the event of failure - not having to replace the whole CT backplane.

Retrofit CT backplane version available - with split core CT's.

CT backplane available in 12, 18, 21 and 24 ways - not just 12 way.

Node configuration by software - not via DIP switches.

Backplane CT's - all CT's are 40A.

Up to 247 Link Controllers - can linked on Modbus.

Class 1 accuracy.

Real time monitoring - of Vrms, Irms, power factor, kVA, kW, kVAh, kWh and kVAh.

Single phase outputs - all outlets are wired down to a pair of individually shrouded terminals, the phase and neutral terminal of which can be individually isolated.

Future outgoing supplies - can be safely connected with the PDU live and on load.

High resolution colour touch screen HMI - for local display and control.

All parameters can be monitored, alarmed and trended locally.

Full three phase incoming power measurements - available at the colour touch screen HMI, including THDI and THDV.

PDU operation - stand alone, or connected via Modbus (RS485) to a head end BMS system or scada system.

PDU remote connections - via Ethernet to a remote PC's running GP Pro software, to display dynamic data.

PDU can act as a web server - serving dynamic web pages via LAN or WAN using a conventional web browser.

Thermographic imaging facilities - included on all outgoing MCB's.

Non-contact infrared temperature detection - techniques are employed to monitor and alarm in the event of over-temperature situations arising on the incoming isolator connections.

Intruder alarms - are fitted to all doors and are monitored.

Surge suppression - fitted and monitored.

Incoming isolator status - monitored.

Monitoring system can be fitted to existing PDU's

Format can be customised to suit individual clients requirements and will accommodate components from most manufacturers.

Company Profile

Our expertise in switchgear and control systems remains at the forefront of technology. This results from continued research, development and being specified by consulting engineers to participate in major electrical projects for the UK, European and worldwide markets. Accreditation to ISO 9001:2000 and type test certification demands strict control and audit of the procedures used throughout every aspect of company operation.



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