



**The effective distribution of power within buildings is an increasingly complex discipline in an age when computer protocols control everything from business administration, telecommunications and energy/environmental controls.**

## Distribution Control Panels (DCPs)

Distribution Control Panels are made from modular components. This gives the flexibility to adjust size, shape and incoming/outgoing supplies within the panels to meet customers' individual needs.



- The DCPs are mainly used in small to medium sized commercial buildings and retail outlets.
- A standard DCP is designed, manufactured and tested to a short circuit rating of 25kA to BS EN 6043-9.
- Main incomers range from 125 to 400 amps on standard type DCPs.
- High Performance MCBs rated from 10-15kA in B, C or D curve, 1-4 poles.
- RCBOs provide protection against overloads, short circuits and earth leakage faults. They range from 6A – 45A, 10 – 1000mA, 15kA.
- DCPs can be connected to all makes of BMS systems.
- DCPs are fitted with power monitoring meters to aid energy reduction and to comply with L2 regulations.
- The frequencies of Emergency Lighting and Fire Alarm testing can be reported.



# Intelligent Mains Distribution



A standard Switchboard is designed, manufactured and type tested to a short circuit rating from 25kA to 85kA, BS EN 60439-1.

Main incomers range from 250A to 3200A, outgoing devices range from 16A to 1000A and can all be accommodated within our standard wall or floor mounted Switchboards.

Multi-functional, multi-storey buildings requiring huge amounts of power to be allocated to vast numbers of activities. This presents a challenge that Severn Controls responds to with its combination of design experience and the capability to manufacture intelligent switchboards up to 3200 amps.

Multi-function digital meters can be fitted to monitor the incoming/outgoing supplies. Readings available are:

- Voltage
- Current
- Frequency
- Kilowatt Consumption
- Maximum Demand
- Harmonic distortion

The meters can communicate with many types of Building Energy Management Systems to provide clients with accurate energy consumption reports which enables them to reduce energy.



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