

The IntelliCompaks are a range of 19" rack-mounting, IEC outlet PDUs with integrated monitoring and control capabilities. They are ideal for use in narrow and low-density cabinets.



Features

- ▶ Designed to work as single unit, or in pairs (black and white) for a dual feed supply
- ▶ 1U and 2U packages.
- ▶ C20 or Commando input connector
- ▶ C13 and/or C19 outlets
- ▶ Sensor input to monitor rack temperature and humidity
- ▶ Sensor input to monitor opening of rack doors
- ▶ Sensor to monitor true RMS current
- ▶ Sensor to detect incoming mains failure
- ▶ Isolated, fail-safe control logic with multiple interlocks
- ▶ RS485 multi-drop data bus minimises number of IP connections required per system

Options

- ▶ Each socket (or group of sockets) may be individually power cycled
- ▶ Each socket (or group of sockets) may be individually turned on/off
- ▶ Local front panel display (EcoRange only)
- ▶ Individual socket current monitoring C19 or C13 IEC outlets, or a combination
- ▶ Integral branch protection with fuses or circuit breakers
- ▶ Additional monitoring sensors (smoke, water etc)

EcoRange

- ▶ EcoRange IntelliCompaks have additional benefits:
- ▶ Qualifies for the Carbon Trust ECA scheme
- ▶ Measures Voltage, Power Factor, kW, kVA and kWhours



Intelligence

Each IntelliCompak has on-board intelligence that monitors the electrical and environmental status and communicates this data to a master controller via a multidrop RS485 connection. The master controller (IntelliPoller) may handle up to 256 IntelliCompaks (with the use of auxiliary power supplies) and is in turn polled by the IntelliServer software via Internet Protocol.

Communications

The RS485 connection between the IntelliCompaks and the controlling IntelliPoller is independent of the data room's network, minimising network traffic and port requirements. It allows devices to be connected and disconnected from the system freely. The data cable also carries power for the IntelliCompak's logic and the reboot relays, making interconnection a simple, single connection with the advantage of enabling the IntelliCompak to actively report power outages on its mains supply.

Power options

There are four standard versions of the IntelliCompak and variations of these may be specified:

Type	Size	Input	Outputs	Branch Protection
1	1U	C20	10 x C13	None
2	1U	16A Commando	6 x C13	None
3	1U	16A Commando	6 x C19	None
4	2U	32A Commando	12xC13=4xC19	2 x 16A Breaker

Monitoring

- ▶ Temperature (<+/- ½ degree)
- ▶ Humidity (<+/- 5%)
- ▶ Power measurement (<+/- 2%)
- ▶ Power failure
- ▶ Door closure