

The IntelliStrip PDU is a high specification Power Distribution Unit that supports remote monitoring of power status and environmental conditions. Used with the IntelliData Systems Management software, IntelliStrip provides a fully featured integrated power monitoring, analysis and control system.

### Features

- ❖ 8, 16, 20 or 24 sockets per strip
- ❖ Designed to work as single strips, or in multiples for dual supply
- ❖ 32A capability per PDU
- ❖ Each socket (or group of sockets) may be individually power cycled
- ❖ Left and right handed socket orientation for easy cable management
- ❖ Control and monitoring via control bus that minimises network impact
- ❖ Temperature and humidity measurement
- ❖ Power present sensor
- ❖ True RMS current measurement
- ❖ Door open sensor
- ❖ Expansion connector for additional sensor types and further control
- ❖ Fixings for all cabinet types
- ❖ Available with 13A, C19 or C13 IEC outlets, or a combination
- ❖ Retrofittable to existing cabinets from any manufacturer

### Intelligence

Each IntelliStrip PDU has on-board intelligence that monitors the strip status and communicates data to a master controller. The strips can capture and store instantaneous events such as current surges, or rapid door opening and closure independently of the master controller.





## *Security*

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The IntelliStrip is designed to be fail-safe. With a 32A capacity per strip, there is little chance that a failure of one supply to a cabinet will cause the other supply to trip when the load is switched. The optional re-boot system uses relay interlock and an independent relay power line that locks out accidental power-cycling of any outlet through corrupt software, abnormal power-up conditions etc. The Logic system in each PDU is electrically isolated from the power circuits, so that it remains powered and able to report a fault in the event of a power outage in the cabinet. Access to the controlling IntelliServer is via a password protected, Blowfish encrypted link.

## *Communications*

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Communications between the PDUs and the master controller is via a multi-drop RS485 bus. This is a robust connection that is independent of the data room's network, minimising network traffic and port requirements. It allows strips to be connected and disconnected from the system freely. The data cable also carries the logic power and the re-boot relay power making interconnection a simple, single connection.

## *Mounting*

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The IntelliStrip is supplied with mounting kits for cabinets from any of the major manufacturers.

## *Expansion*

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MkII IntelliStrips are fitted with a second RS485 that supports future expansion modules including:

- ❖ Multiple Temperature and Humidity sensors.
- ❖ Door locks
- ❖ Airflow sensors
- ❖ Smoke detectors
- ❖ Custom sensors