

The high specification IntelliCompak supports remote monitoring of power status and environmental conditions. It is used with the IntelliData Systems Management Software to provide a complete, integrated monitoring, analysis, tracking and control system.



Integrated I.E.C. Power and Environmental management tool in a 1-U high rack.

Features

- ❖ 16A supply overall current rating
- ❖ C19 input connector, 10 IEC outputs (other configurations on request)
- ❖ Designed to work as single unit, or in pairs for a dual feed supply
- ❖ Plug in sensor to monitor rack temperature and humidity
- ❖ Plug in sensor to monitor opening of rack doors
- ❖ Sensor to monitor overall current consumption
- ❖ Sensor to detect incoming mains failure
- ❖ Ability to re-cycle power on each outlet socket
- ❖ Compatible with cabinets from all manufacturers
- ❖ Units may be removed and re-connected without disturbing connectivity status of other strips
- ❖ Hierarchical grouping allows indefinite expansion: 100+ IntelliCompaks per IntelliPoller; multiple IntelliPollers per server
- ❖ Isolated, fail-safe control logic with multiple interlocks
- ❖ RS485 multi-drop data bus, with a 1 km maximum distance
- ❖ Control and monitoring via direct serial link, or via IP
- ❖ True RMS current measurement
- ❖ Expansion connector for additional sensor types and further control
- ❖ Retrofittable to existing cabinets

Security

The IntelliCompak is designed to be fail-safe. The software monitors the current taken by both PDUs in a dual feed setup so that you can be confident that each PDU is capable of handling the combined load if the supply to one PDU should fail. The re-booting (power-cycling) system uses a relay interlock that locks out accidental power-cycling of any outlet through corrupt software, freak power-up conditions etc.

The logic system in each PDU is independently powered and is electrically isolated from the rack power circuits therefore permitting power outages in the cabinet to be fully reported.



Intelligence

Each IntelliCompak 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.

Communications

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. It allows strips to be connected and disconnected from the system freely. The data cable also carries the logic power and the separate re-boot relay power making interconnection a simple process.

Expansion

IntelliCompaks are fitted with a second RS485 data port that supports future expansion modules including:

- ❖ Multiple Temperature and Humidity sensors.
- ❖ Door locking
- ❖ Airflow sensors
- ❖ Smoke detectors
- ❖ Custom sensors
- ❖ PIR (movement) detectors