

IntelliMonitors

IntelliMonitors provide cost-effective environmental and in-line single or 3-phase power monitoring facilities in applications where individual power outlets are not required.

Single Phase IntelliMonitor



Typical IntelliMonitor use includes monitoring the supply to single high power devices such as routers or stand-alone cabinets. The single phase IntelliMonitor may also be used in line to add monitoring capability to a dumb power distribution strip.

IntelliMonitors provide all the monitoring and control facilities of the IntelliStrip, apart from individual switching of sockets. Current measurement is via a current transformer – there are no resistive or electronic devices in the power circuit.



3 – Phase IntelliMonitor

IntelliSensor

A simple, compact temperature and humidity sensor that can be located in or outside cabinets to obtain supplementary room data.



IntelliMonitor Features

- ❖ True RMS current measurement
- ❖ Temperature and humidity measurement
- ❖ Power present and door status sensors
- ❖ Multiple IntelliMonitors may be grouped to provide overall cabinet data with drill down for individual units
- ❖ Data may be used to trigger alerts via IntelliServer
- ❖ Single Phase Unit:
 - 32A capacity on 3 pin Commandos in and out
 - 180x80x45mm, including universal mounting brackets
 - (Four) units may be supplied mounted on a 2U 19" tray
 - Option for 1 x 32A input and 2 x 16A Commando output
- ❖ Three phase Unit:
 - 3 x 32A capacity on 5 pin commandos in and out
 - 218x124x45mm, including universal mounting brackets
 - Delta or Y load configurations
 - 3 sets of power present sensors and current measurement
- ❖ Can be used under the floor, above or within the cabinet.

IntelliSensor Features

- ❖ Temperature and humidity measurement
- ❖ Daisy-chain RS485 data bus and power via RJ45 connectors
- ❖ 90x56x28mm, including 2-part clip mounting

Connectivity

IntelliMonitors and IntelliSensors connect to an IntelliDataSystems IntelliPoller (central controller) via an RS485 multidrop bus. This greatly reduces the number of IP connections and consequent network traffic that the monitoring system requires. Data from the IntelliMonitors and IntelliSensors are fully integrated with data from other other IntelliDataSystems devices in the IntelliManager and IntelliServer software, providing views at room, cabinet and device levels.