

The IntelliMonitor range is designed for cost effective, in-line power monitoring . Typically they are used in series with single pieces of equipment that draw significant power, or with non-intelligent power strips.

Features

- ❑ Designed to work as single unit, in pairs (black and white) for a dual feed supply, or in larger multiples for multi-feed devices such as mainframes and tape silos.
- ❑ 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
- ❑ May be fitted inside cabinets, under the floor, or above cabinets.



Intelli ECO-Monitor
with optional integral
display

Options

- ❑ 16A, 32A or 63A versions
- ❑ Single or 3-phase (see separate data sheet for further 3-phase information)
- ❑ Local front panel display (ECO range only)
- ❑ C19/C20 or Commando in/out connections
- ❑ Compact single channel (pictured) or 1U rackmounting IntelliQuad, with four independent channels. (Ideal for coupling with Cisco 6500 series routers).

ECO Range IntelliMonitors have additional benefits:

- ❑ Qualifies for the Carbon Trust ECA scheme
- ❑ Measures Voltage, Power Factor, kW, kVA and kWhours

Intelligence

Each IntelliMonitor has on-board intelligence that monitors the electrical and environmental status and communicates this data to a master controller via a multi-drop RS485 connection. The master controller (IntelliPoller) may handle up to 256 IntelliMonitors (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 IntelliMonitors 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 re-boot relays, making interconnection a simple, single connection with the advantage of enabling the IntelliMonitor to actively report power outages on its mains supply.

Power options

Single channel IntelliMonitors may be supplied with white or black cable for easy identification of A and B supplies :

Type	Size	Channels	Rating	Connectors
1	0U	1 x single phase	16A or 32A	C19/C20 or Commandos
2	0U	2 x single phase	16A or 32A /channel	C19/C20 or Commandos
3	1U	4 x single phase	16A/channel	Commando in, C19 out
4	0U	1 x 3phase	3 x 32A	5-pin Commandos
5	2U	2 x 3phase	6 x 32A	5-pin Commandos + C19

Monitoring

-  Temperature (<+/- ½ degree)
-  Humidity (<+/- 3%)
-  Power measurement (<+/- 2%)
-  Power failure
-  Door closure