

Environmental Monitoring for Cabinets



security



humidity



PDU control



fan control



smoke



water



temperature

- Environmental Monitoring
- Power Distribution Unit (PDU) Switching & Monitoring
- Door Sensors
- Remote Management via free browser based management software
- Manage up to 32 cabinets from 1 x IP address using one network switch port



For mission critical data centres, the ability to remotely manage the cabinet environment is vital. Environmental issues with cabinets, including high temperature & humidity, smoke, water leakage, physical threats, unauthorised door access, power and cooling inefficiencies can have a significant impact on operational performance and efficiency.

InfraGuard features include:

- Switching and monitoring of PDUs
- Two door and two side panel alarms
- Control of cooling fans
- LED Light bar or beacon
- Monitoring of:
 - » Temperature
 - » Humidity
 - » Smoke
 - » Shock
 - » Water alarms

Hardware

The box itself includes two large visual LED temperature monitoring windows. A further two other temperature monitors are also available directly from each PDU (the values from which can be viewed either via the software or on the PDU LCD screen itself) giving a potential of 10 temperature and humidity sensors per cabinet.

One InfraGuard master box and IP address allows the connection (via cascade) to 15 slave boxes.

Software

Free web based Graphic User Interface (GUI) management software (IGM-03) then allows up to 30 master box connections or control of 480 slave boxes. Under 'One Box Two Cabinets' scenario, environmental remote management up to 960 cabinets can be achieved giving flexible scalability.

Utilising the same GUI up to 1920 x kWh PDU and the same quantity of Fan Units can be remotely managed by the management software.



Want to see how it works up close?
Contact us for a demonstration

Environmental Monitoring For Cabinets



EC-300M



EC-300

Control Box	
AH-IG-EC300M	EC-300M InfraGuard Master Control Box
AH-IG-EC300	EC-300 InfraGuard Slave Control Box (Up to 15 can be cascaded from a Master Box)
AH-IG-EC14A	ECP-4A Optional Dual Power Input for InfraGuard & InfraSolution, 4A @ 12V



Temperature & Humidity Sensor

Sensors	
AH-IG-TH01-2M	IG-TH01-2M Temperature & Humidity Sensor, 2m cable
AH-IG-TH01-4M	IG-TH01-4M Temperature & Humidity Sensor, 4m cable
AH-IG-T01-2M	IG-T01-2M Temperature Sensor, 2m cable
AH-IG-T01-4M	IG-T01-4M Temperature Sensor, 4m cable
AH-IG-S01-1M	IG-S01-1M Smoke Sensor, 1m cable
AH-IG-S01-3M	IG-S01-3M Smoke Sensor, 3m cable
AH-IG-V01-1M	IG-V01-1M Shock Sensor, 1m cable
AH-IG-V01-3M	IG-V01-3M Shock Sensor, 3m cable
AH-IG-W01-3M	IG-W01-3M 5m Rope Type Water Sensor, IP68 connection, 3m Cat6 cable
AH-CLB-IX-002	IG-CLB-IX-002 LED Light Bar, 2m cable
AH-CLB-IX-004	IG-CLB-IX-004 LED Light Bar, 4m cable
AH-IG-FB031	IG-FB03-1M Flashing LED Beacon, 1m cable
AH-IG-FB033	IG-FB03-3M Flashing LED Beacon, 3m cable
AH-IG-DSI-2M	IG-DSI-2M Inductive Door Sensor, 2m cable
AH-IG-DSI-4M	IG-DSI-4M Inductive Door Sensor, 4m cable
AH-IG-DSW-2M	IG-DSW-2M Mechanical Door Sensor, 2m cable
AH-IG-DSW-4M	IG-DSW-4M Mechanical Door Sensor, 4m cable



Smoke Detector



Shock Sensor



Water Sensor

Software	
AH-IG-M03	IGM-03 InfraGuard Management Software – Free Web Based GUI

InfraGuard features include switching and monitoring of PDU's. See InfraPower brochure for compatible W Series PDU variants.



Door Sensor Inductive



Door Sensor Mechanical



Beacon



LED Lamp

Sensor / Integrated Device	Door Sensor	Smoke Detector	Shock Sensor	LED Lamp	Water Sensor	Temp & Humidity Sensor	Flashing LED Beacon	Alarm Board 3rd Party	Integrated PDU in Daisy	Integrated Fan In Daisy Chain
Quantity	4	2 (In any combination)	2	2	2	2	1	1	4	4

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