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Hawk-i²
Rack Monitoring Unit

Web and html based environmental monitoring and control unit.

Features

- 12 x ports for sensors (combination of temperature / humidity / Open, Close contacts)
- Auto detection on supported sensors
- Support for 6 intelligent power strips
- 4 x digital outputs
- 2 x key pad input and door control
- Secure Web Management and Control Interface (HTTPS)
- Optional Remote LCD display unit (for front of cabinet)

The new generation Hawk-i² answers the remote monitoring demands of data centre managers with a focus on security, ease of use and increased monitoring support.

Access for configuration, monitoring and control is made both easy and secure with a new web based (https) interface. Along with an increase in basic functionality and overall flexibility, secure ease of use has been a main focus behind the Hawk-i². The intuitive web interface eliminates the need for complex serial set up processes completely.

Additionally, the Hawk-i² delivers a unified, enterprise-wide view and access, via a single IP address, to all the attached devices, providing significant cost savings over other IP based monitoring offerings.
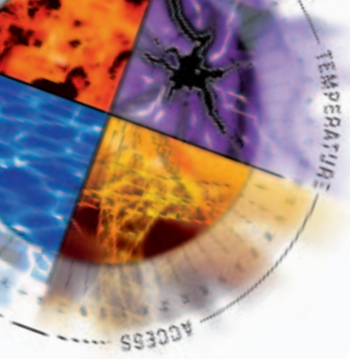
The Hawk-i² combines with intelligent, switchable power strips to provide a complete and powerful remote power management and monitoring system over IP.

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understanding the data centre requirement.

Power, temperature, access control, and all other remote site monitoring needs.

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OPERATING DATA

Power Supply	
Input Power	100~240 VAC
Input Connector	IEC Inlet C14
Power Consumption	(Max) 45W
Additional information	Isolated Supply and Chassis Ground
Power supply options	48V VDC Power Input
Dual Power supply	

OPERATING ENVIRONMENT

Operating Temperature	0°C to 45°C -15°C to 50°C (Optional Extended Range)
Storage Temperature	-10°C to 70°C -40°C to 70°C (Optional Extended Range)
Operating Humidity	15% to 85% RH
Storage Humidity	5% to 90% RH
MTBF	> 100,000 Hrs

FEATURES

Connectivity and Networking	
Network type	Fast Ethernet (802.3u)
Network connection	RJ45
Link speeds	10/100 Mbps with auto negotiation
Network indications	Network Link LED (Green), 10/100 Mbps LED (Yellow)
Sensors	
Number of inputs	12
Input Connector	RJ11-6/4
Parameters monitored	Temperature, Humidity, Open/Close contacts
Temperature Monitoring Range	0°C to 60°C
Temperature Monitoring Accuracy	± 5% Standard Transducer @ 20°C
Temperature Hysteresis	Programmable 0.1°C to 9.9°C in 0.1 increments
Humidity Monitoring Range	30% to 90% Relative Humidity
Humidity Monitoring Accuracy	± 5% RH @ 25°C
Humidity Hysteresis	Programmable 0.1%RH to 9.9%RH in 0.1 increments
Analogue Resolution	12 Bit A/D
Additional information:	Inputs are not isolated. Auto detection of supported Sinetica sensors

PDU MONITORING AND CONTROL

Number of inputs	6
PDU Input Connector	RJ11-6/6
Parameters monitored	Voltage, Current, kilo-watt hours (kWh), kilo volt-ampere (kVA)
Voltage Monitoring Range	0 V to 500 V
Voltage Monitoring Accuracy	± 2%
Current Monitoring Range	0 A to 65 A
Current Monitoring Accuracy	± 2%
Kilo-watt hours Monitoring Range	0 kWh to 429496729 kWh
Kilo-watt hours Monitoring Accuracy	Dependent on PDU
Kilo volt-ampere Monitoring Range	0 kWh to 429496729 kVA
Kilo volt-ampere Monitoring Accuracy:	N/A
Output Relays	
Number of outputs	4
Output Connectors	Screw lock WeidMuller (Outputs 1 and 2), Screw lock Phoenix Contact (Output 3 and 4)
Output Modes	Normally Open, Normally Closed
Maximum Switching	48 V at 1 A (Resistive load)
Additional information:	Outputs 1 and 2 offer a 12+ V DC supply fused at 1amp
Monitoring and Configuration	
The following monitoring and configuration methods are provided	Web management interface via HTTP or HTTPS (Secure) SNMP
LCD Status Monitor	
The optional backlit LCD status monitor can display the following:	Summary page displaying configured PDUs and Inputs 1 and 2. All 12 Digital Inputs All 6 PDUs
The following system information is also available	Firmware Version IP Address Subnet Mask Gateway MAC Address
Additional information	Backlit Powered from unit (no additional power source required)
Status indicators	
Units front panel provides the following LED indications	Power (Green) Status (Green) Network Link (Green) Network Speed (Yellow) Digital Output (Yellow) Analogue Input (Red) Digital Input (Red)

Issue 1.1.