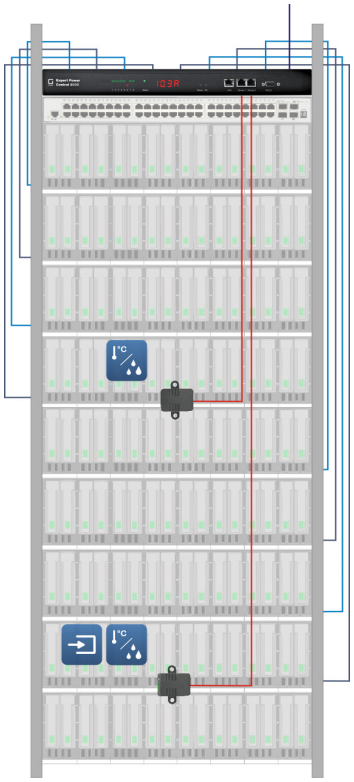
Switched & Metered Power Distribution Units

Switchable IP Power Sockets for all needs: The **Expert Power Control Series**

Increased security and control in AV/IT installations - from conference rooms to data centers

Whenever you need to implement **reliable power distribution** and **intelligent device management** in an AV/IT infrastructure with a perfect cost-benefit ratio, the switchable IP power distributors of the Expert Power Control series come into play: They allow you as a demanding user considerable benefits in terms of **utilization and monitoring of your installation**:

- Enhancement of **energy efficiency**
- Reducing **electricity costs**
- Metering of **energy consumption** on rack and server level in real time
- Increased security for connected servers due to **surge protection**
- Permanent **environmental monitoring** thanks to plug-n-play sensors (temperature, humidity and air signal inputs)
- Prevention of system critical conditions through **residual current monitoring**
- **Remote access** allows proactive and timely corrective actions
- Enhanced security with support for common **authentication and encryption protocols**
- Reduction of **downtime** and thus saving of significant **service costs**



More security and control in 19-inch racks: A switchable PDU with temperauter and humidity sensors

Triple Play of the new Expert Power Control Series

1 Green Building

With the new IP switching sockets, the power consumption of the installation can be effectively reduced: The collective **switching off of consumers, even in standby mode**, as well as the integrated energy meters help to ensure a sustainable operation of the infrastructure. In addition, the user receives **warnings when fault currents occur**. This allows preventive maintenance even before downtime.

2 „Reboot is always good“

The PDUs have 4 or 12 load outlets on the rear (IEC C13 or IEC C13 lock). This allows **connected devices to be switched off and on in the event of a fault**. This is especially possible via media controls and DCIM solutions. Defined thresholds ensure that **event-based switching** can be initiated. Furthermore, the devices can be controlled on schedule due to integrated timer functions.

3 Environment monitoring

Two integrated sensor interfaces for optional available sensors enable to **monitor environment temperature, humidity and air pressure**. Due to real-time surveillance and early overload and threshold alarms, critical system conditions and down-times can be avoided. Thanks to plug-and-play sensors, startup operation with Expert Power Control Series is quickly done.

Electrical Connections

- Power supply NEMA 5-15, max. 12 A, 110-220 V
- Power Ports: 4 or 12 IEC C13 (Lock), max. 12 A
- Ethernet connector RJ45 (10/100 Mbit/s)
- Serial interface RS232 (Sub-D 9-pin)
- 2 RJ45 interfaces for optional sensors

Technical Details

- Dimensions: 19 inch, 1 rack unit
- LxHxD: 17.28“ x 1.73“ x 7.01“ (without brackets)
- Weight: approx 95.24 oz
- Operating temperature: 32-122 °F
- Storage temperature: -4 - 158 °F
- Relative humidity: 0 - 95% (non-condensing environment)

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Switched & Metered Power Distribution Units

4, 12 2

4- or 12-fold switched PDU for reduction of power consumption, for remote control and for environment monitoring

Residual current metering
Surge protection type 3

Features

- Up to 12 Power Ports individually switchable directly on the device, via HTTPS, SSH, SNMP, command line tool and RS232 serial interface
- Status and Power-up delay (0...9999 seconds) adjustable individually for each Power Port after power blackout
- Latency time of 1 second prevents simultaneous power-up of multiple Power Ports
- Programmable timetables and turn-on/turn-off sequences
- 2 energy meters: one meter continuously, the other resettable
- Metering of energy, current, power factor, phase angle, frequency, voltage and active / apparent / reactive power
- Residual current metering type A
- A clearly visible LED display for total current, IP address, sensor data and error reports
- An individual watchdog (ICMP/TCP) can be assigned for each Power Port
- Integrated surge protection (SPD) type 3 prevents damage of device and of connected consumers (L-N, L/N-PE), status retrievable over network
- 2 interfaces for optional sensors for environmental monitoring (temperature, humidity and air pressure)
- Event-based port switching possible by set sensor thresholds
- Internal beeper for acoustic alarm for set sensor thresholds
- Comfortable configuration by web browser, Windows or Linux tool
- Firmware update via Ethernet during operation
- IPv6-ready
- HTTP/HTTPS, e-mail (SSL, STARTTLS), DHCP, Syslog
- SNMPv1, v2c, v3 (Get/Traps)
- TLS 1.0, 1.1, 1.2, 1.3
- Telnet, Radius and Modbus TCP support
- Access control via IP Access Control List
- Low internal power consumption
- Developed and manufactured in Germany

Expert Power Control 8021-1: 4 IEC C13 sockets

Expert Power Control 8041-2: 12 IEC C13Lock sockets prevent accidental disconnecting of IEC cables

Order Code	Product	Rear connectors	Feature sets
7-8021-1	Expert Power Control 8021-1	4 x IEC C13	Operating voltage: 110-230 V , max.: 12 A Unit metered Residual current metering type A Surge protection (SPD) type 3 2 sensor ports with RJ45 socket HTTPS, SSH, SSL, IPv6, SNMPv3, Telnet, Radius, Modbus TCP Made in Germany
7-8041-1	Expert Power Control 8041-1	12 x IEC C13	
7-8041-2	Expert Power Control 8041-2	12 x IEC C13 Lock	

Order Code	Product	Feature
7205	Temp.,Humidity Sensor 7205	Plug-n-play sensor, RJ45 connector, -6°F to +176°F, 0-90% humidity
7206	Temp., Humidity, Air pressure Sensor 7206	Plug-n-play sensor, RJ45 connector, -6°F to +176°F, 0-90% humidity, 300-1100 hPa
7209	Temp.,Humidity, Signal Input Sensor 7209	Plug-n-play sensor, RJ45 connector, -6°F to +176°F, 0-90% humidity, 2 passive signal inputs
0804	IEC Extension Cable 0804	Extension cable for IEC C13 to C14, length: 118.1 in.
0871	Desk/Wall Bracket 0871	Accessories for mounting a 19-inch device under a tabletop or on a wall
0872	Cable Holder 0872	13 fixation bridges for load cables at the rear side

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