

Size matters - small & smart PDUs for space saving installation

new

2-fold and 4-fold switched PDU with integrated metering and monitoring functionality



Full Power Control

Up to 4 AV devices can be powered, controlled and switched individually - onsite or remote

Seamless Software Integration

Easy and fast commissioning with free drivers for leading AV and IT control systems from e.g. Crestron, Extron, Domotz and Q-SYS

Detailed Monitoring

Precise energy measurement and monitoring of temperature and humidity through plug-n-play sensors

Better and Faster AV Service

Remote reboots and automatic power cycling prevent costly downtime and allow better and faster customer service

Reduced Costs and CO2 emissions

Avoid unnecessary power consumption and minimize carbon footprint with programmable shutdown schedules

Flexible Mounting

Compact design allows space-saving mounting behind displays, under tabletops and in AV furniture

Increased Operational Safety

Integrated overvoltage protection and proactive power monitoring ensure reliable and safe operation

Application scenarios

- Conference rooms
- Huddle spaces
- UC rooms
- Test labs
- Digital Signage
- Edge Computing

Expert Power Control 1121, 1141

new



2 / 4

2-fold and 4-fold switched PDU with integrated metering and monitoring functionality

Safety First
High inrush relays,
surge protection &
self-healing function



Expert Power Control 1141-1
Robust IP power distributor with 4 power ports



Expert Power Control 1121-1
Compact power distributor with 2 power ports

Switching function

- 2 or 4 load outputs individually switchable at the device, via HTTP(S), SNMP, ModbusTCP as well as via command line interface using Telnet, SSH and MQTT
- Switching state and switch-on delay (0...9999 seconds) adjustable for each power port after power failure
- Current peaks during simultaneous switching operations are prevented by an automatic latency of 1 second
- Programmable schedules and on/off sequences
- 2 or 4 channel watchdog, each power port can be assigned its own watchdog (ICMP/TCP)
- Load outputs can be switched when preset sensor thresholds are exceeded

Metering function

- Connection for plug-n-play sensors for environmental monitoring (temperature, humidity, air pressure)
- Input-side measurement of current, voltage, phase angle, power factor, frequency, active, apparent and reactive power
- 2 energy meters, one meter counts permanently, the other is resettable

Security

- Integrated overvoltage protection prevents damage of device and of connected consumers (L-N 10 kA), status retrievable over network
- Long-life high-Inrush relays prevent welding of relay contacts during inrush current peaks
- Generation of status messages and alarms (e-mail, syslog, SNMP traps MQTT, SSH, Telnet)
- Encrypted e-mails (SSL, STARTTLS)
- Access protection through IP access control
- SNMPv1, v2c, v3 (Get/Traps)

- Encrypted communication via SSL (TLS 1.1, 1.2, 1.3) and SSH
- Password protected access

Operation

- Easy and flexible configuration via web browser, Windows or Linux program
- Firmware update possible during operation via Ethernet
- Support of Radius, Modbus TCP and MQTT 3.1.1
- IPv6-ready
- Configuration and control via Telnet

Electrical Connections

- Mains connection IEC C14 (max. 10 A, 110-230 V)
- Load outputs:
1121-1: 2x IEC C13
1141-1: 4x IEC C13
- Ethernet connector RJ45 (10/100 Mbit/s)
- Sensor connector RJ45 for plug-n-play sensors (temperature, humidity, air pressure)

Technical details

- Dimensions (LxWxD, without mounting brackets):
1121-1: 168 x 86 x 34 mm
1141-1: 187 x 95 x 43 mm
- Weight: 1121-1: ca. 450 g / 1141-1: ca. 880 g
- Operating temperature: 0-50 °C
- Storage temperature: -20 - 70 °C
- Relative humidity: 0 - 95 % (non-condensing environment)
- Low power consumption, typ. 2 W
- Developed and produced in Germany

Order code	Product	Feature	Power supply	Max. current
1121-1	Expert Power Control 1121-1	2 switchable outputs IEC C13, power metering, overvoltage protection	110-230 V	10 A
1141-1	Expert Power Control 1141-1	4 switchable outputs IEC C13, power metering, overvoltage protection	110-230 V	10 A
7205	Temp., Humidity Sensor 7205	Plug-n-play sensor, RJ45 connector, -20°C to +80°C, 0-90% humidity		
7206	Temp., Humidity, Air pressure Sensor 7206	Plug-n-play sensor, RJ45 connector, -20°C to +80°C, 0-90% humidity, 300-1100 hPa		
7209	Temp., Humidity, Signal Input Sensor 7209	Plug-n-play sensor, RJ45 connector, -20°C to +80°C, 0-90% humidity, 2 passive signal inputs		



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