

# NETIO PowerCable 2KZ

**PowerCable 2KZ is flat housing dual power output PDU for remote power metering & power restarting.**

**Device connectivity is LAN or WiFi. PDU has 2 metered & switched power outputs (110/230V max 16A). External switch or detector can be connected to 2x DI (Digital Input).**

**Open API enables integration into 3<sup>rd</sup> party systems using a wide range of protocols (http JSON, Modbus/TCP, SNMP, MQTT, Telnet, ...).**

- LAN or WiFi
- 2x DI (Digital Input) (S0 Counters)
- 2x Switched & Metered output (230V/16A)

- Open API (10 protocols, M2M API)
- Service: NETIO Cloud
- Mobile application: NETIO Mobile 2



Each of the two power outputs can be independently controlled from the product web interface (switched off/on or power-cycled). To switch the outputs on in a sequence, a power-up delay interval can be configured for each output.

The **NETIO Mobile 2** app controls each output individually over LAN (local network) or NETIO Cloud.

**NETIO Cloud** is a SSL-secured service for controlling the outputs from anywhere (Web or Open API).

**Open API** allows controlling the outputs over the network using various protocols (http XML/JSON, Modbus/TCP, MQTT, SNMP, Telnet and more... ).

**AV drivers** make it easy to connect NETIO sockets to professional Audio/Video systems such as Skaarhoj, Crestron, Control4 and more.

**The Scheduler function** switches outputs on and off at configured times. It works locally, even without Internet connection.



**PowerCable 2KZ** - flat housing PDU

**PowerCable 2KF** - flat housing PDU with cables



**Remote switching off/on or power cycling of electrical sockets**



**Restart over the Web**



**NETIO Mobile 2 app (LAN/Cloud)**



**Central web interface (NETIO Cloud)**



**AV Drivers:**

Control4



kramer

SKAARHOJ

CRESTRON

RTI

ELAN

## FEATURES

- 2x Power Output (230V/16A) with relays (ZCS)
- 2x Digital Input (dry contacts) with S0 counters
- Methods for controlling each output
  - WEB browser
  - Mobile app: NETIO Mobile 2 (LAN or WiFi)
  - NETIO Cloud
  - Scheduler
  - Watchdog (Power & Ping)
  - Rules & Conditions (based on DI)
  - Open API (10 protocols)

- **NETIO Mobile 2:** Mobile app
- **NETIO Cloud:** Paid service

- **ZCS (Zero Current Switching):** The relay is switched when the current crosses zero. This reduces relay wear and allows switching devices with a high inrush current.

- **PowerUp State:** Default output state (On/Off/Last state)
- **PowerUp Delay:** Delay before switching the output on
- **Firmware** update over the Web interface
- **Scheduler function:** Each output can be switched according to its time schedule (calendar)

- **Open API (protocols)**
  - JSON over http
  - Modbus/TCP
  - MQTT-flex
  - Telnet
  - SNMP (SNMP v1/v3)
  - XML over http
  - URL API – http get
  - HTTP Push JSON / XML

- Supported protocols: http, DNS, NTP, uPNP, DHCP, ICMP, TCP/IP

### SUPPORT FOR USERS AND DEVELOPERS

- **NETIO Wiki** – library for developers
- **ANxx** (Application Notes) with examples
- **NETIO Drivers** – for AV systems

## SPECIFICATIONS

### DEVICE VARIANTS

- **PowerCable 2KZ:**  
Device (terminal block inside) no power cables included
- **PowerCable 2KF:**  
Device + 3 power cables: CEE 7/7 + 2x output (Schuko)

### POWER

- **Power Input:** Terminal block (Ø 2.5mm), 100-240VAC (50/60Hz) - max 16A
- **Each Output:** Metering + On/Off (SPST-NO relay)
- Internal consumption: 1-2W

### INTERFACE

- LAN 10/100 Mbps (RJ-45)
- WiFi 2,4 GHz (internal antenna)
- 2x DI (Digital Input), 12V power (100mA)
- Load Defaults button (on the panel)

### ELECTRICAL MEASUREMENTS

- Electrical measurements: Yes (2 channels)
- 2x current [A], 2x consumption [Wh], 2x Power [W], 2x TPF (True Power Factor)
- 2x Phase [%], 2x Reverse Energy [Wh], Frequency [Hz], Voitage [V]

### PACKAGE CONTENTS

- NETIO PowerCable 2KZ
- Power cables for 2KF (optional)
- QIG (printed Quick Installation Guide)

### DIMENSIONS / WEIGHT

- PowerCable 2KZ: 102 x 32 x 149 mm
- Package: 125 x 73 x 204 mm/0.2 kg

### OPERATING CONDITIONS

- Temperature: -20 °C to +55 °C
- For indoor use only (IP30)
- Designed and produced in the Czech Republic

**STANDARDS/NORMS:** EN 62368, EN 60950, EN 61000, EN 50581

**NETIO PowerCable 2KZ** Flat PDU, LAN/WiFi, 2x power output (Switched & Metered), 2x DI (Digital Input). No power cables.

**NETIO PowerCable 2KF** Flat PDU, LAN/WiFi, 2x power output (Switched & Metered), 2x DI (Digital Input). Power cables: 3x 30 cm, EU power plug, 2x power output Type F (Schuko).

**NETIO PowerCable 2PZ** Flat PDU, LAN/WiFi, 2x power output (Switched). No power cables.