

PowerCable REST 101x



NETIO PowerCable, REST version, is a smart 230V/16A extension cord with WiFi. With a simple click in the web interface, the output can be switched on/off and the measured values displayed (A, V, W, TPF, kWh, Hz, °).

The product features an open interface REST API for integration with other systems. The output socket can be metered and controlled with one of the 3 supported http-based protocols – XML/JSON or URL API. SNMPv1 supported for reading.

- WiFi connection to a LAN
- Output can be switched on/off, power-cycled
- Electricity metering and reporting, 7 measured values (kWh, A, V, W, Hz, TPF, °).
- **ZCS** (Zero Current Switching)
- **Open API**: URL API, XML, JSON, SNMPv1 (read only)

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

- Easy installation, automatic "WiFi reconnect"



DE
101F



FR
101E



CH
101J



C13/C14
101S



UK
101G



PowerCable REST is a smart WiFi power socket that can be installed by an ordinary user. With its open API, it can be connected to 3rd party applications that can use the PowerCable REST to measure energy consumption and control the output.

REST protocols based on http are suitable for professional environments where ports and protocols other than http may be restricted.

Output can be controlled over web interface, Open API, mobile application or paid NETIO Cloud service.



Control of electrical sockets over a LAN from third-party system



Consumption metering at individual sockets, e.g. for diagnostics



Metering and control with Node-RED (AN29, AN30, AN31)



Switching audiovisual equipment ON/OFF (beamers, amplifiers, ...)



Drivers for AV media/installations (Control4, ELAN, Crestron, Neets ...)



Central web interface (NETIO Cloud)

FEATURES

- **101x: Several models for different markets**
 - 101F (DE "Schuko" – most of Europe)
 - 101E (FR – France, Poland, Czechia, Slovakia)
 - 101J (CH 10A max – Switzerland)
 - 101S (IEC-320 C13/C14 10A max)
 - 101G (UK 13A max - United Kingdom)
- **Configuration over the WEB**
- Support for **open REST protocols**
 - 1) **XML** over http (read-write)
 - 2) **JSON** over http (read-write)
 - 3) **URL API** over http (write)
 - 4) **SNMPv1** for reading
- **IOC** (Independent Output Control) – output state is unaffected by firmware update
- **Power measurements**
 - Current [A]
 - Voltage [V]
 - Consumption [kWh]
 - Output power [W]
 - TPF (True Power Factor)
 - Phase shift [-180° to +180°]
 - Frequency [Hz]
 - Measurement accuracy: 1%
- **Socket control options**
 - Push-button
 - WEB browser
 - One of the three REST protocols
 - Mobile App: NETIO Mobile 2
 - NETIO Cloud (MQTTs security)
- **Protocols:** HTTP, DNS, NTP, DHCP, ICMP

AVAILABLE MODELS



101F

PowerCable REST 101F

101F is the „DE“ Schuko version for most of EU.



101E

PowerCable REST 101E

101E is the „FR“ version for France, Czech republic, Slovakia and Poland.



101J

PowerCable REST 101J

101J is the „CH“ version for Switzerland, max 10A.



101S

PowerCable REST 101G

101G is the „UK“ version for United Kingdom, max 13A.

SPECIFICATIONS

POWER

- Input: 230V
- Output: On/Off (relay)
- **ZCS** (Zero Current Switching): Yes
- Maximum load: 16A (10A for 101J and 101S)
- Internal consumption: 1.2 W
- PowerUp output state: On/Off/Last state

INTERFACES

- WiFi: 802.11 b/g/n; 2.4GHz
- The installation does not require any Mobile App or cloud
- 1x push-button
- 2x LED indicator

PACKAGE CONTENTS

- NETIO PowerCable REST 101x
- QIG - Quick Installation Guide

DIMENSIONS/WEIGHT

- Device: 180x40x30 mm + 2x cable
- Cables: 2x0.55 m
- Package: 260x93x100 mm / 0.4 Kg

OPERATING CONDITIONS

- Temperature: -10 °C to +65 °C
- Max current: 16A up to 30°C, max 5A for 65°C
- For indoor use only (IP30)

STANDARDS: RED CE, NV 426/2016, 2014/53/EU, EN 50581: 2012, EN 300328, EN 62311:2008, EN 301489-1, EN 60950-1