

# PowerCable REST 101x

**NETIO PowerCable REST 101x 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 are displayed (A, V, W, TPF, kWh, Hz, °).**

**The product features an open API interface for integration with other systems. The output socket can be metered and controlled with one of the ten supported protocols (XML/ JSON, URL API, SNMP, Modbus/TCP, MQTT and more).**

- WiFi connection to a LAN
- Output can be switched on/off/reset
- Electricity metering and reporting (kWh, A, V, W, Hz, TPF, °)
- **ZCS** (Zero Current Switching)
- **Open API**: XML, JSON, Modbus/TCP, MQTT and more

- Service: **NETIO Cloud**
- Mobile application: NETIO Mobile2

- Easy installation, automatic "WiFi reconnect"



DE  
101F



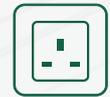
FR  
101E



CH  
101J



C13/C14  
101S



UK  
101G



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

Thanks to **Open API** (JSON, Modbus/TCP, SNMP, MQTT and more), it can be connected to 3<sup>rd</sup> party applications that can use the PowerCable REST to measure energy consumption and control the output.

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

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

**Scheduler function** (time based switching) works locally, even without an Internet connection.



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



**Consumption metering at individual sockets, e.g. for diagnostics or predictions**



**Metering and control from superior systems (Node-RED, SCADA, Cloud services, ...)**



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



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



**Central web interface (NETIO Cloud)**

## FEATURES

- **101x: Several versions of power sockets**
  - 101F (DE "Schuko" – most of Europe)
  - 101E (FR – France, Poland, Czechia, Slovakia)
  - 101J (CH – Switzerland)
  - 101S (IEC-320 C13/C14)
  - 101G (UK – United Kingdom)
  - 101Y (input CEE 7/7, output IEC-320 C13)
- **Socket control options:**
  - Push-button
  - WEB browser
  - Open API
  - Mobile application: NETIO Mobile2
  - NETIO Cloud (TLS security)
- **Power measurements**
  - Current [A]
  - Voltage [V]
  - Consumption [Wh]
  - Output power [W]
  - TPF (True Power Factor)
  - Phase shift [°]
  - Frequency [Hz]
  - Reverse Energy [Wh]
- **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, DHCP, ICMP, uPNP, TCP/IP
- **IOC (Independent Output Control):** The output state is unaffected by firmware update
- **PowerUp State:** Default output state (On/Off/Last)
- **ZCS (Zero Current Switching):** The relay is switched when current crosses the zero level.
- **Scheduler function:** Time based switching

## AVAILABLE MODELS



<b>PowerCable REST 101F</b>	101F is the „DE“ Schuko version for most of EU.
<b>PowerCable REST 101S</b>	101S is IEC-320 C13/C14 version. International use, max 10A.
<b>PowerCable REST 101E</b>	101E is the „FR“ version for France, Czech republic, Slovakia and Poland.
<b>PowerCable REST 101J</b>	101J is the „CH“ version for Switzerland, max 10A.
<b>PowerCable REST 101G</b>	101G is the „UK“ version for United Kingdom, max 13A.
<b>PowerCable REST 101Y</b>	101Y is connection cable with Europlug input (CEE 7/7) and IEC-320 C13 output, max 10A.

## SPECIFICATIONS

### POWER

- Input: 230V (110V/230V for 101S)
- Output: On/Off (relay, SPST-NO)
- Maximum load: 16A for 101E and 101F; 10A for 101J, 101S and 101Y; 13A for 101G
- Internal consumption: 1.2 W

### 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
- NFC

### PACKAGE CONTENTS

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

### DIMENSIONS/WEIGHT

- Device: 180x40x30 mm + 2x cable
- Cables: 2x0.55 m
- Package: 255 x 73 x 204 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