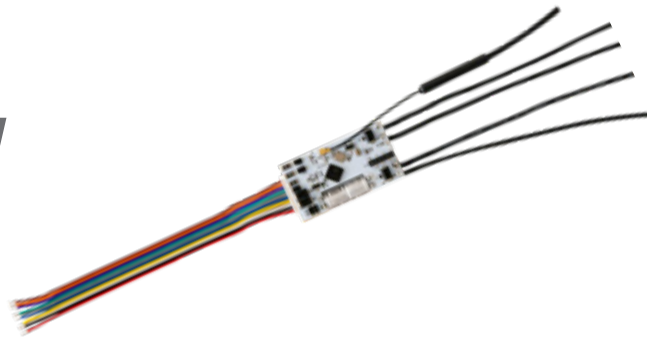# Shelly *PLUS* UNI

FROM MANUAL TO SMART

Shelly Plus Uni has the unique capability to replace traditional buttons, bringing old appliances into the realm of remote control without the need for replacements. Now, you can easily make your intercom or alarm system smart. Receive instant notifications when someone's at the door and remotely arm or disarm your security system with ease.

ADVANCED SENSOR INTERFACE

Shelly Plus Uni is not just a device; it's a tool to understand your environment better. Use it to measure temperature and humidity with its 1-Wire input, or connect it to a variety of analog and digital sensors. Its capabilities are vast, depending on the sensors you choose.

Healthy garden:
Make sure you water your plants only when needed by connecting a soil moisture sensor.

Water heater and pipes:
Monitor water level, flow, pressure, and temperature to prevent issues and maintain ideal conditions.

Motion-controlled lights:
When connected to a PIR sensor, Shelly Plus Uni can trigger a relay to turn on the lights as soon as you step into the room.

Pool automation:
Maintain pool health with sensors to track water flow, level, pH, chlorine, and temperature, ensuring a safe and enjoyable swim.

Wi-Fi Operated & Bluetooth connectivity
Connect to your Wi-Fi network. No HUB required! Quick inclusion via Bluetooth or use it as a Bluetooth gateway.

Precise Voltmeter
Precise voltage measurement in 2 ranges (0-15 VDC, 0-30VDC)

Sensor interface
Works with various analog and digital sensors

Dry contacts
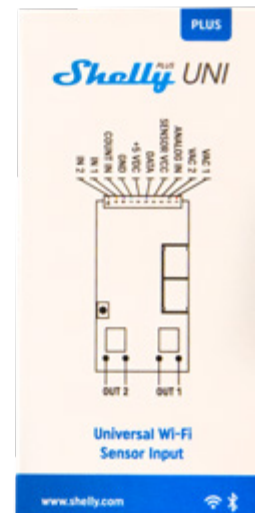Two potential-free outputs that can switch up to 28 VDC and 24 VAC

Pulse counting
Receive precise data readings from your energy/gas/water meter

Scripting
Shelly Plus Uni fully supports scripting, allowing you local control and custom functionalities.

TINY DEVICE, BIG CAPABILITIES

Suitable for low-voltage applications, Shelly Plus Uni brings smart functionality to your old appliances. With its new pulse counting feature, you're not just automating – you're getting insightful monitoring of your home's usage. Designed for durability, its transparent cover offers full protection, ensuring both the device and your home appliances are always safe. Powerful in functionality and adaptable to any setting, Shelly Plus Uni seamlessly integrates into your home, unlocking endless possibilities for smart innovation.

TECHNICAL SPECIFICATIONS

Power Supply	• 8-24 VAC • 9-28 VDC • 5 VDC (stabilized, via +5 VDC and GND)
Max. control voltage	30 V
Max. control current	300 mA
Complies with EU standards	• RED 2014/53/EU • LVD 2014/35/EU • EMC 2014/30/EU • RoHS2 2011/65/EU
Working temperature	-20°C to 40°C / -5°F to 105°F
Max RF power	20 dBm
Radio protocol	Wi-Fi 802.11 b/g/n
Frequency	2400 - 2495 MHz
Operational range (depending on local conditions)	• Up to 30 m / 100 ft indoors • Up to 50 m / 160 ft outdoors
Dimensions	40x21x7 mm / 1.57x0.83x0.28 in
CPU	ESP-32
Flash	4 MB
Electrical consumption	< 1 W

STAY CONNECTED TO YOUR GATE AND GARAGE

Now, whether you're at home or away, you can effortlessly operate your gate or garage door with your phone. But it doesn't stop there; the reed-switch provides real-time updates, ensuring you always know if they are securely closed or open. This setup simplifies daily routines, whether it's closing the garage from your office or welcoming guests without leaving your home.

Legend
VAC1: 8-24 VAC / 9-28 VDC power supply input
VAC2: 8-24 VAC / 9-28 VDC power supply input
ANALOG IN: Analog input
SENSOR VCC: power supply for 1-Wire sensors output
DATA: 1-Wire data signal
+5 VDC: 5 VDC positive power supply input
GND: Device ground
COUNT IN: Counter input
IN 1: Digital input 1
IN 2: Digital input 2
OUT 1: Solid-state relay 1 outputs
OUT 2: Solid-state relay 2 outputs