

SHELLY Pro LoRa Πρόσθετο ρελέ

Shelly · EAN 3800238073169

Machine translation from Polski. In case of doubt the manufacturer's original document prevails.

Shelly Pro LoRa Add-on

User Manual

Description

The Shelly Pro LoRa Add-on is an isolated galvanically module designed for compatible devices in the Shelly Pro series, which enables wireless communication using LoRa (Long Range) technology over distances of up to 5 km. This solution was created for installations where traditional Wi-Fi or wired networks do not provide adequate coverage or their use is impractical. Thanks to its small dimensions, DIN rail mounting, and easy integration with Shelly Pro devices, the module allows for the expansion of an existing automation system without the need for additional gateways or complicated infrastructure. It is an ideal choice for industrial facilities, farms, municipal installations, and large commercial buildings where reliable communication is crucial.

Intended Use

For safety and certification reasons, the product must not be modified or altered in any way. If the product is used for purposes other than those described, it may be damaged. Furthermore, improper use may pose hazards. Please read the user manual carefully and keep it for future reference. It is essential to read and follow the safety instructions contained in the manual.

1. The product is not a toy. Keep it out of reach of children and pets.
2. Protect the product from extreme temperatures, direct sunlight, strong vibrations, high humidity, moisture, flammable gases, vapors, and solvents.
3. Do not expose the product to mechanical loads.
4. If safe operation is no longer possible (the product is damaged, not functioning correctly), discontinue use and secure the product against reuse.
5. Handle the product with care. Shocks, impacts, or dropping the product may cause damage.
6. If there are any doubts regarding operation or safety, consult a qualified professional.
7. If you have any questions that are not answered in this manual, please contact our customer service office (email: hurt@innpro.pl, website: <https://innpro.pl/>) or another

specialist.

Specification:

General

Manufacturer: Shelly

Model: LoRa Add-on x1

Physical Parameters

Dimensions (H × W × D): 94 × 19 × 78 mm (without antenna, with mounting bracket)

94 × 19 × 92 mm (with antenna, with mounting bracket)

Weight: 45 g (without antenna, with mounting bracket)

52 g (with antenna, with mounting bracket)

Mounting: DIN rail

Via the proprietary Shelly serial interface for connection to a compatible Shelly device

Housing Material: Plastic

Housing Color: Black

Operating Conditions

Operating Temperature: From -20°C to 40°C

Humidity: From 30% to 70% RH

Maximum Operating Height: 2000 m above sea level

Electrical Parameters

Power Supply: 3.3 V (from compatible Shelly device)

Power Consumption: < 150 mW

LoRa

Radio Frequency Band (RF): EU868

Maximum RF Transmit Power: < 14 dBm

Range: Up to 5000 m (depending on environmental conditions)

Compatible Antenna

Frequency Range: 863–870 MHz

Impedance: 50 Ω

SWR Ratio: < 3.0

Connector: SMA-M

Compatible Devices

Compatible Shelly Pro devices: Shelly Pro 1

Shelly Pro 1PM

Shelly Pro 2

Shelly Pro 2PM

Shelly Pro 3EM

Shelly Pro Dimmer 0/1-10 V PM

Shelly Pro Dimmer 1PM

Shelly Pro Dimmer 2PM

Shelly Pro EM-50

Shelly Pro RGBWW PM

Manufacturer

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Environmental Protection

Used electronic equipment marked in accordance with the European Union directive must not be disposed of together with other municipal waste. It is subject to selective collection and recycling at designated points. By ensuring its proper disposal, you prevent potential negative consequences for the natural environment and human health. The system for collecting used equipment complies with locally applicable environmental protection regulations regarding waste disposal. Detailed information on this can be obtained from the municipal office, waste management facility, or the store where the product was purchased. The product meets the requirements of the so-called New Approach directives of the

European Union (EU) concerning issues related to user safety, health protection, and environmental protection, identifying hazards that should be detected and eliminated.