



Knowledge Base / Devices / Shelly Pro devices

Shelly LAN Switch

Device image



Short description

Shelly LAN Switch is a DIN-mountable Ethernet switch with 5 x RJ45 supporting speeds of 10/100 mbps.

Main features

- **DIN - mountable:** Designed to meet the global DIN rail standardization and fit perfectly with all your Pro relays.
- **Direct AC Power:** Power the device at 110-230 V~, 50/60 Hz, eliminating the need for adapters.
- **Plug & Play:** Hassle-free installation and configuration, allowing you to quickly set up and optimize your network.



Use cases

- **Stable LAN connection to your essential devices:** Shelly LAN switch keeps your smart home running smoothly. Designed to seamlessly integrate with your existing Pro devices, it provides a stable and uninterrupted connection to all your essential appliances, such as your HVAC, PV, or lighting system.
- **Fast wired connection for your home network:** The LAN switch allows households to establish wired connections for devices such as computers, gaming consoles, smart TVs, streaming devices, and more, ensuring reliable and high-speed internet connectivity throughout the home.
- **Clear and efficient setup:** Designed to fit perfectly into your existing breaker box, it simplifies your network management. You can connect the Device directly to the breaker box and provide wired connections to up to 4 other devices with LAN connectivity.

Device electrical interfaces

Inputs

- 2 wire inputs on screw terminals: 1 **L** and 1 **N**

Ethernet ports

- 5 x RJ45 connectors

⚠CAUTION! Plug in or unplug the LAN cable only when the Device is powered off! The LAN cable connector must not be metallic in the parts touched by the user to plug in or unplug the cable.

Connectivity

- Ethernet

User interface

Outputs

- LED indication
 - Power (red): Indicates that the Device is connected to power supply.
 - Activity (green steady): Indicates that there is an active Ethernet connection established between the Device and the connected network or device. Data can be transmitted and received without issues.
 - Activity (green flashing): Indicates data traffic. Data are transmitted or received over the Ethernet connection.
 - Link (amber): There is an ethernet connection between the Device and your computer or router. It means that an ethernet cable is plugged and transfers signal.

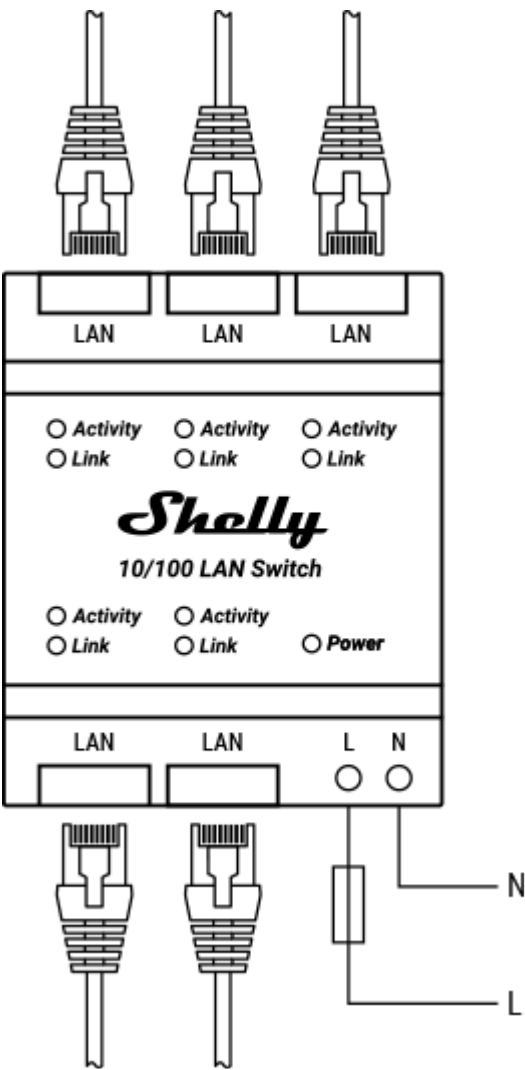
Specifications



| Quantity | Value |
|-----------------------------|--|
| Physical | |
| Size (HxWxD): | 96x53x59 mm / 3.78x2.01x2.32 in |
| Weight: | 87 g / 3 oz |
| Screw terminals max torque: | 0.4 Nm / 3.54 lbin |
| Conductor cross section: | 0.5 to 2.5 mm ² / 20 to 14 AWG (solid, stranded, and bootlace ferrules) |
| Conductor stripped length: | 6 to 7 mm / 0.24 to 0.28 in |
| Mounting: | DIN rail |
| Shell material: | Plastic |
| Shell color: | Black |
| Connectors color: | Green |

| | |
|--------------------------------|---|
| Environmental | |
| Ambient working temperature: | -20 °C to 40 °C / -5 °F to 105 °F |
| Humidity: | 30 % to 70 % RH |
| Max. altitude: | 2000 m / 6562 ft |
| Electrical | |
| Power supply: | 110 - 240 V~ 50/60 Hz |
| Power consumption: | < 1 W |
| External protection: | Tripping characteristic B or C, max. 16A max. rated current, min. 6 kA interrupting rating, energy limiting class 3 |
| Functionality | |
| Communication/negotiation mode | The switch is fully capable in auto-negotiation mode as per IEEE 802.3(Half duplex (HDX), Full duplex (FDX), Back pressure, pause, Flow control (IEEE 802.3)) |

Basic wiring diagrams



Legend



| Terminals | | Wires | |
|-----------|-------------------------------------|-------|--------------|
| L | Live (110-240 V) terminal | L | Neutral wire |
| N | Neutral terminal | N | Neutral wire |
| LAN | Local Area Network RJ 45 connectors | | |

Compliance

- [Shelly LAN Switch multilingual EU declaration of conformity.pdf](#).

Printed user guide

- [Shelly LAN Switch multilingual printed user and safety guide.pdf](#)



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