

Instruction manual

SWPS-4-11-DIN4

PoE switch with integrated power supply,
1xLAN 3xPoE in DIN4 housing

Operation Indication

- **LED** in LAN1 port (white) – power
- **LED** in RJ45 port (red) – PoE power in port
- **LED** in RJ45 port (green) – link and data transmission

Load indicator:

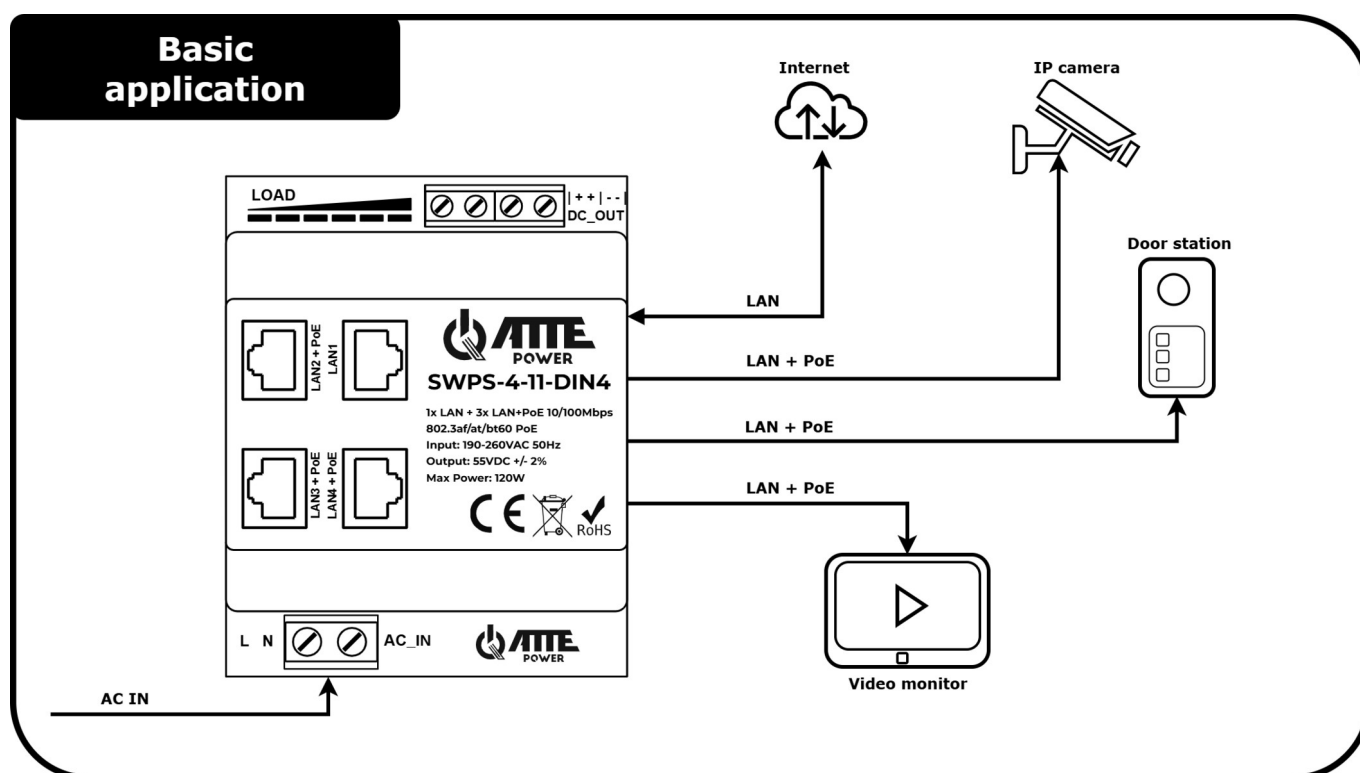
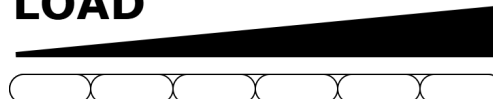
White – Standby mode (no load)

Green – Current power consumption

Blue – Maximum power consumption recorded

Red – Exceeding ~110W power consumption

LOAD



Description

SWPS-4-11-DIN4 is a PoE switch with a built-in power supply designed for use with PoE IP cameras, video door phones and other network devices powered by the PoE 802.3af/at/bt60 standard.

The total power of the SWPS-4-11-DIN4 switch is 120W, which is distributed between 3 PoE outputs and an additional 55V output via a screw terminal.

The switch has the option of redundant power supply using another module with the same voltage (SWPS-4-11-DIN4, APS-120-550-DIN4).

Built-in LR150 (Long Range 150m) function allows all ports to operate stably up to 150 metres of UTP at 100Mbps with PoE power.

Thanks to the built-in load indicator, we can determine the current power consumption of the device.

DIN4 housing allows for convenient mounting on a TH35 rail in electrical switchboards and control cabinets.

Installation

1. Install the device in the selected location of the switchboard.
2. Connect the 230VAC power cord to the AC_IN screw terminal block.
3. Connect the LAN input to the LAN1 port.
4. Connect IP PoE receiving devices to ports LAN2 ... LAN4.
5. Install the switchboard covers.
6. Turn on the switch power supply.

Technical Specification

LAN Ports	4 RJ45 ports 10/100Mbps (auto MDI-MDIX, auto negotiation) 3 x PoE, 1 x UPLINK
Ports Functions	LAN 1: UPLINK (no PoE power)
	LAN 2 ... LAN 4: PoE OUTPUT (receiver power supply): 802.3bt60 (up to 60W), 802.3at (up to 30W), 802.3af (up to 15W) PoE PINOUT: 1,2 (V-) 3,6 (V+) 4,5 (V+) 7,8 (V-)
	AC_IN: 230VAC mains power supply
	DC_OUT: 55VDC power output
Additional features	LR150 function increases the maximum transmission distance to 150 m at a speed of 100 Mbps on all RJ45 ports.
	The device has a redundant power supply option using a second module with the same voltage (SWPS-4-11-DIN4, APS-120-550-DIN4).
Output voltage	55V +/- 2%, available on the DC_OUT connector and LAN2 ... LAN4 ports
Efficiency	95% @120W
Maximum power	120W
Input voltage	190 ... 260 VAC, 50 Hz
Power supply protection	AC_IN 3.15A slow-blow fuse Surge protection
	DC_OUT 2.5A power supply overload protection Surge protection
Ports Protection	LAN 1 ... LAN 4 Surge protection LAN 2 ... LAN 4 Overload protection
Operation indication	LEDs in RJ45 connectors: - LED in LAN1 port (white) – power - LED in RJ45 port (red) – PoE power in port - LED in RJ45 port (green) – link and data transmission
	Load indicator: - White – Standby mode (no load) - Green – Current power consumption - Blue – Maximum power consumption recorded - Red – Exceeding ~110W power consumption (close to overload)
Housing Construction	DIN4 housing Material: plastic Colours: base (RAL 9005), top of housing (RAL 7035) Compliant with DIN 43880 standard
Assembly	On the TH35 rail
Ingress Protection Rating	IP20
Operating Temperature	-25 ... +65°C
Dimensions	72 x 90 x 61 mm
Weight	0,185 kg

Find out more

SWPS-4-11-DIN4
on the WWW site



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Safety Precautions

- The installation and wiring must be performed by a competent engineer. For permanently connected equipment, a readily accessible disconnect device must be incorporated in the fixed wiring. The device must be connected to the mains supply 230 VAC 50 Hz via a specified fused connection outlet.
- Despite the fact that the enclosure of the device has a high degree of protection, it is recommended that the device should be mounted in places protected from direct influence of atmospheric factors, in particular against rain and direct sunlight.
- Since the power supply does not have a switch to isolate the mains supply, the installer is responsible for notifying the user of the means of isolating the mains supply from the device.
- When replacing fuses, use original or compatible types. The exact parameters of the fuses can be found on the inside of the device cover.

Before installation and during maintenance make sure that the mains voltage 230VAC is disconnected

This symbol on the product or on its packaging indicates that the product must not be disposed of with normal household waste. Instead such equipment must be disposed of by arranging to return it to a designated collection point for the recycling of waste electrical and electronic equipment.

