

[✦ Use with AI](#) ▼

Ogemray smart relay 25A



Device identification

Device type: 25A smart switch

Device model: Ogemray SW40 PbS

Main features

- 1 output up to 25 A / 6000 W
- Overvoltage protection with auto recovery
- Overpower protection
- Power metering to save energy
- Supports one input with flexible configuration
- Large terminals
- Compact form factor
- Wall mounting anchors and bracket included
- Virtual components
- Supports scripting, webhooks, MQTT, WebSocket, HTTPS, UDP, TLS and custom certificates
- Supports KNXnet / IP communication

Connectivity

- Wi-Fi
- Bluetooth

Safety functions

- Overvoltage protection with auto recovery
- Overpower protection

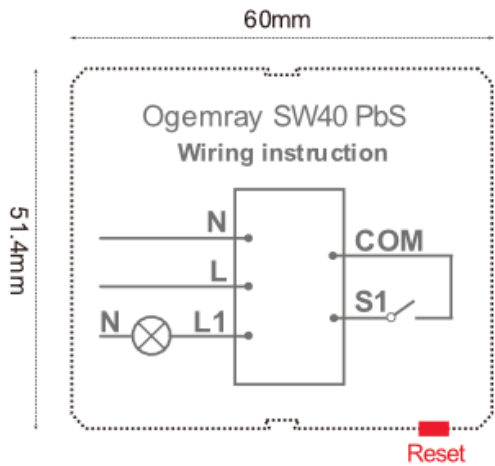
Specifications



Category	Specification	Value
Physical	Size (HxWxD)	60x51.4x24 mm / 2.36x2.02x0.94 in
	Weight	52 g / 1.83 oz
	Screw terminals max torque	0.4 Nm / 3.5 lbin
	Conductor cross section	2.5 to 6.0 mm² / 14 to 9 AWG (solid, stranded, and boot-face ferrules)
	Conductor stripped length	6 to 7 mm / 0.24 to 0.28 in
	Shell material	Plastic
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~ 50/60Hz
	Power consumption	< 1.2 W
Output circuits ratings	Max. switching voltage	240 V~
	Max. switching current	25 A
	Max. power	6000 W
Sensors, meters	Voltmeter (AC)	Yes
	Ammeter (AC)	Yes
Wi-Fi	Protocol	802.11 b/g/n
	RF band	2412 - 2472 MHz
	Max. RF power	< 20 dBm
	Range	Up to 50 m / 165 ft outdoors, up to 30 m / 99 ft indoors (depending on local conditions)
Bluetooth	Protocol	5.0
	RF band	2402 - 2480 MHz
	Max. RF power	< 4 dBm
	Range	Up to 30 m / 100 ft outdoors, up to 10 m / 33 ft indoors (depending on local conditions)
Microcontroller unit	CPU	ESP-Shelly-C38F
	Flash	8 MB
Firmware capabilities	Schedules	20
	Webhooks (URL actions)	20 with 5 URLs per hook
	Wi-Fi range extender	Yes
	BLE Gateway	Yes
	Scripting	Yes
	MQTT	Yes

	Encryption	Yes
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Wiring diagram



Legend

- L1:** Load circuit output terminal
- S1:** Switch input terminal (controlling L1)
- L:** Live terminal (110-240 V~)
- N:** Neutral terminal
- COM**

Shelly Smart Control

[Adding the device to Shelly Smart Control](#)

Shelly web user interface

[Accessing local web interface](#)

Disposal and recycling

Do not dispose of the product in household waste. Recycle the product to prevent environmental and health damage and to promote resource conservation. Dispose of the product at an appropriate waste collection point at your own responsibility.

Resellers, from which the Device was purchased, are required to accept Waste Electrical and Electronic Equipment (WEEE) free of charge for proper disposal.

Some electronic products may store personal data. The user is responsible for deleting this data before disposing of the Device. For deletion, reset the device to its factory settings.

Printed user guide

- For the EU, US, and Canadian markets:
 - [Ogemray 25A user manual v4.0.pdf](#)
 - [Ogemray 25A Ръководство за потребителя v2.0.pdf](#)

- For the Australia and New Zealand market:
 - [Ogemray25A_ANZ v3.0.pdf](#)

Compliance

[Ogemray SW40 PbS multilingual EU Declaration of Conformity.pdf](#)

Manufacturer

Shenzhen Ogemray Technology Co., LTD