

## GOSUND CS1 - firmware for SUPLA and ZABBIX systems

Single wall switch for lighting with quasi-measurement of power and energy.



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**!! NOTE: do not connect the RS232 interface with 230V power supply. Only at 3.3V !!**

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### WARNING:

1. The controller is not an autonomous device and for full and correct operation it requires access to the Internet and SUPLA Server.
  2. The switch does not fit into a standard fi 60 installation box. A square box is required .
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### Functionalities:

1. **Quasi-measurement of power and energy of a connected load (constant power consumption).**

#### Channel Settings:

- Constant Power Output (W) (enter the power of the receiver [W])
- Zero Initial Energy (reset of the meter of consumed energy)

2. **Staircase timer function** - switches off the lighting after the time entered in the configuration [sec].

**Staircase Lighting Timer:**

- Switch OFF delay (5-999 sec) (lighting off after preset time, 0-off)

3. **Lighting delay function.** After switching off, the light is still on for the specified period of time [sec] (useful e.g. in a bedroom, garage, etc.)

**Light switch-off delay:**

- Switch OFF delay (5-999 sec) (lighting off delay, 0-off)

4. **Other Parameters:**

- LED Blue (lighting off blue LED when the channel is not active)

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- attached TEMPLATE gosund\_sw1.yaml file for Zabbix version 5

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**Uploading alternative software:**

1. After disassembling the casing, you can easily access the large, gold-plated soldering points:



2. After connecting the RxD, TxD, GND and VCC (3.3V) wires, press the button and connect the 3.3V power supply.
3. The system enters the programming mode
4. Release the button
5. Upload the software modules in accordance with the parameters below

**Programming parameters:**

BAUDRATE: 115200

Flash Size: 4MB

Flash speed: 40Mhz SPI

Mode: DOUT

blank_1MB.bin ----->	0x00000
boot_v1.5.bin ----->	0x00000
esp_init_data_default.bin ----->	0x3FC000
gosund_cs1.bin ----->	0x01000

After uploading the software and restarting the device, it displays the WiFi network to which you must connect and open the configuration page - <http://192.168.4.1>:



## GOSUND CS1

LAST STATE: Registered and ready.

Firmware: 2.9.2

GUID:

MAC:

### Wi-Fi Settings

Network name

Password

### Supla Settings

Server

E-mail

### Zabbix Settings

Zabbix Server

Host

### Other Parameters

YES

LED Blue

### Channel Settings

0

Constant Power Output (W)

YES

Zero Initial Energy

### Staircase Lighting Timer

0

Switch OFF delay (5-999 sec) (0=off)

### Light switch-off delay

0

Switch OFF delay (5-999 sec) (0=off)

SAVE

During normal operation, when you want to enter the configuration mode (192.168.4.1), press and hold the button for about 10 seconds until the blue LED starts flashing. The device re-issues the Wifi network. After saving the changed configuration, press the button, which will restart the device.