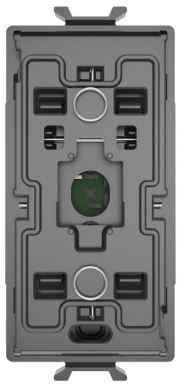
GEWISS
GW10671,
GW10672 EVO
Axial One-Way
Switch Module



GEWISS GW10671, GW10672 EVO Axial One Way Switch Module User Guide

Contents

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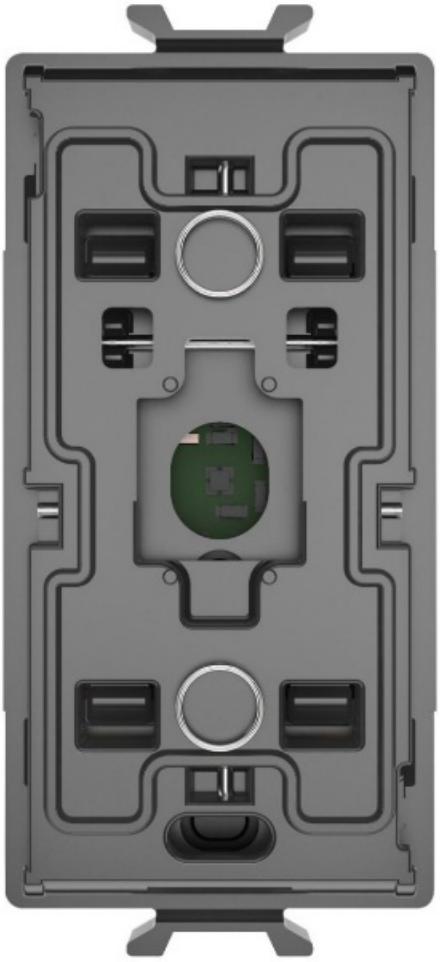


Specifications

- **Power Supply:** max 500W (100 Vac), max 1,000W (240 Vac)
- **Number of Auxiliary Inputs**: 4 IN 1, 3 IN 2
- **Maximum Cable Length for Auxiliary Inputs**: 5 meters
- **Number of Chorusmart Modules:** 2
- **Output Contact:** 1 OUT
- **LED**: Max 5 lamps (or Max 6 lamps)
- **Reference Standards:** GEWISS S.p.a.

Product Usage Instructions

General Information:
The axial switch module EVO is designed to be connected to a load and wired to be controlled via a local command (terminal 4) and to receive only an OFF centralized command (terminal 3).

Behavior on Power Failure and Restoration:
Prior to the expiration of the timing period (t), the activation time is extended.

Installation:

- Ensure that all operations are performed with no voltage in the system.
- For removing the front buttons, refer to Fig. C and E. Lever at the indicated points. Do not lever at other points

to avoid damaging the device.

- Make sure that the phase (L) of the device is protected by a circuit breaker with a maximum rated current of 10A.
- The DIP SWITCH should only be accessed using insulated tools for electrical work up to 2500 Vac.

PACK CONTENTS

- 1 EVO axial one-way switch module
- 1 installation manual (for the complete version of the installation and user manual, scan the QR code).

GENERAL INFORMATION

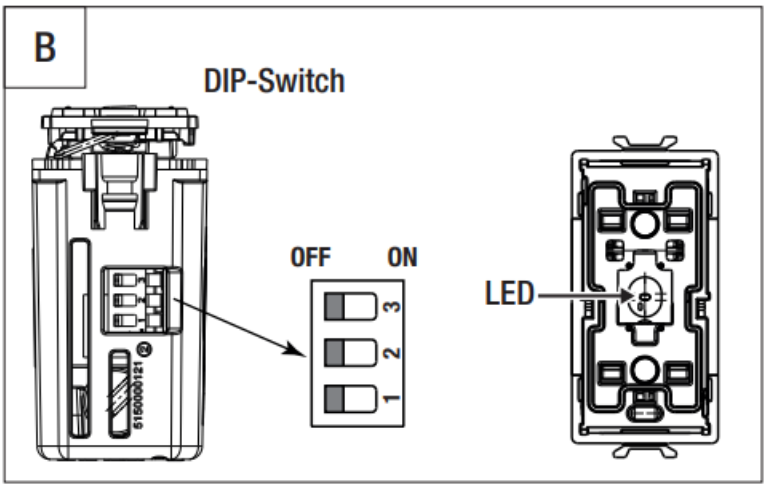
Flush-mounting device with front push-button with axial activation. The device is fitted with a relay for controlling loads at 100 ÷ 240V AC, 50/60 Hz.
NB: The device must be completed with one of the two types of front button key available: GW10671 must be completed with GW1x551S (GW105xxA lens not included) or GW1x555S button key; GW10672 must be completed with GW1x552S (GW105xxA lenses not included) or GW1x556S button key

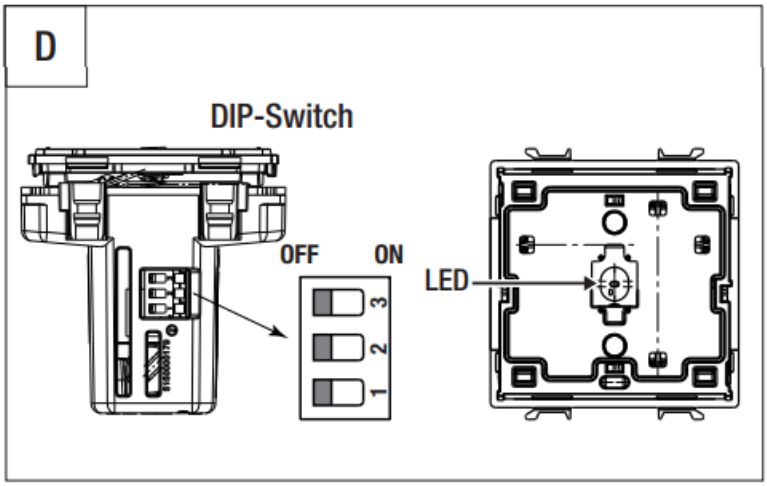
FUNCTIONS

Device for commanding an ON/OFF load (bistable/momentary function) or a timed ON load via an output contact with potential. With 2 auxiliary inputs for repeating the local and/or centralized OFF-only command of the connected load.

FRONT LED

The device is equipped with a front LED (Fig. B – D), with 3 configurable functions:





- **OFF**: LED always disabled
- **Localisation**: LED always enabled
- **Output status**: LED enabled when the load is ON
  - The front LED always flashes when the axial button key is pressed.
  - The LED functions are activated using DIP-switch 1 on the device (Fig. B – D).
- **DIP-switch 1 “front LED functions”:**
- **ON** = activation of the “Localisation” function
- **OFF** = activation of the “Load status” function

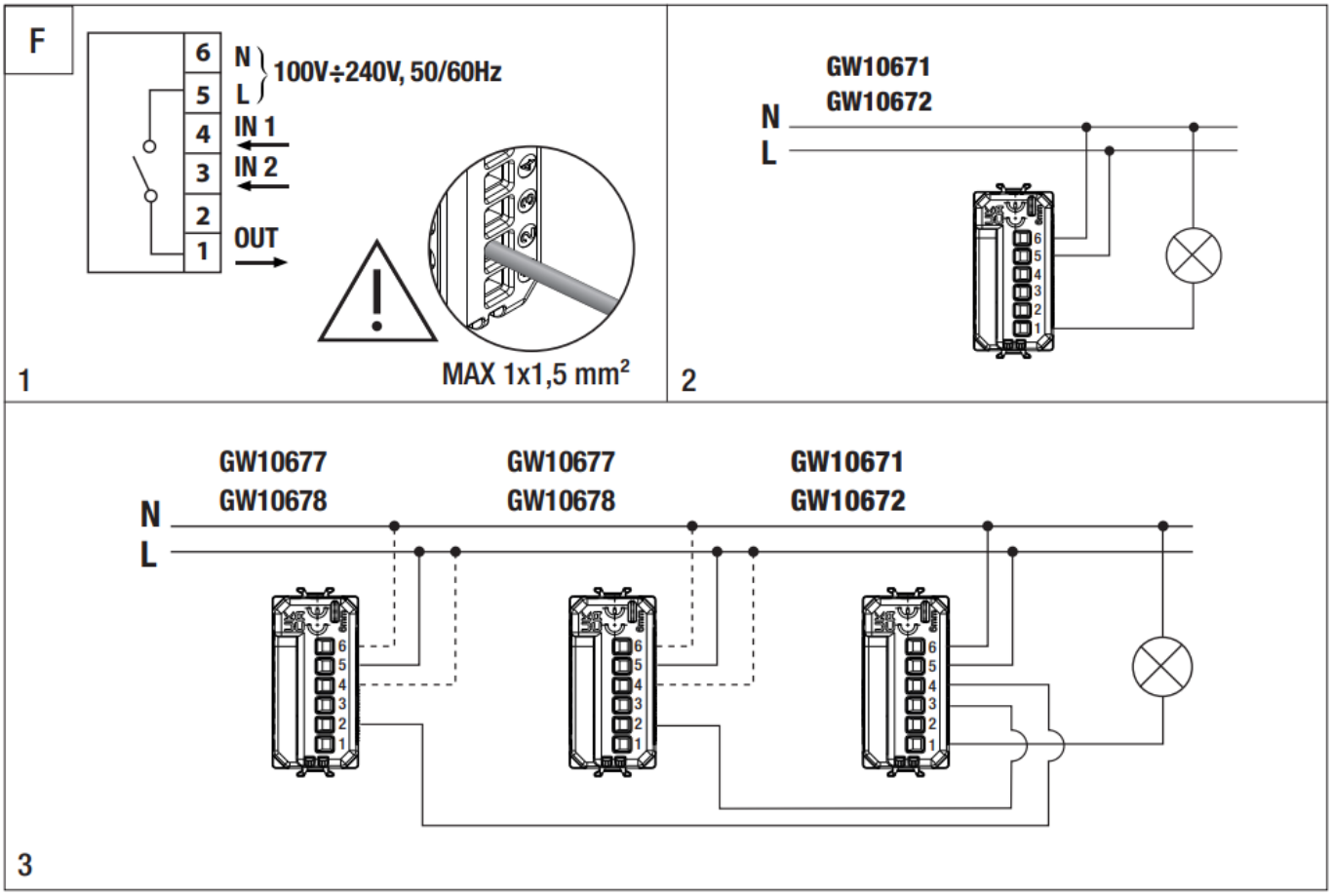
USER-MODIFIABLE SETTINGS
During normal device operation, it is possible to call up the function selected on DIP-switch 1 (“Localisation” or “Load status”) or leave the LEDs disabled (OFF – default value). If the axial button key is pressed for 9”, the function of the front LED switches over*:

- • from OFF to “Localisation” or “Load status” (ref. DIP1)
- • from “Localisation” or “Load status” (ref. DIP1) to OFF;

Every time the functions are switched, the LED flashes twice to indicate that the new function has been stored.

Note: note that when the axial button key is pressed, the output contact changes its status.

No.	Description of the connection examples shown in Fig. F
2	EVO axial one-way switch module connected to a load
3	EVO axial one-way switch module connected to a load and wired so it can be commanded via a local command (terminal 4) and receive the centralised “OFF only” command (terminal 3).



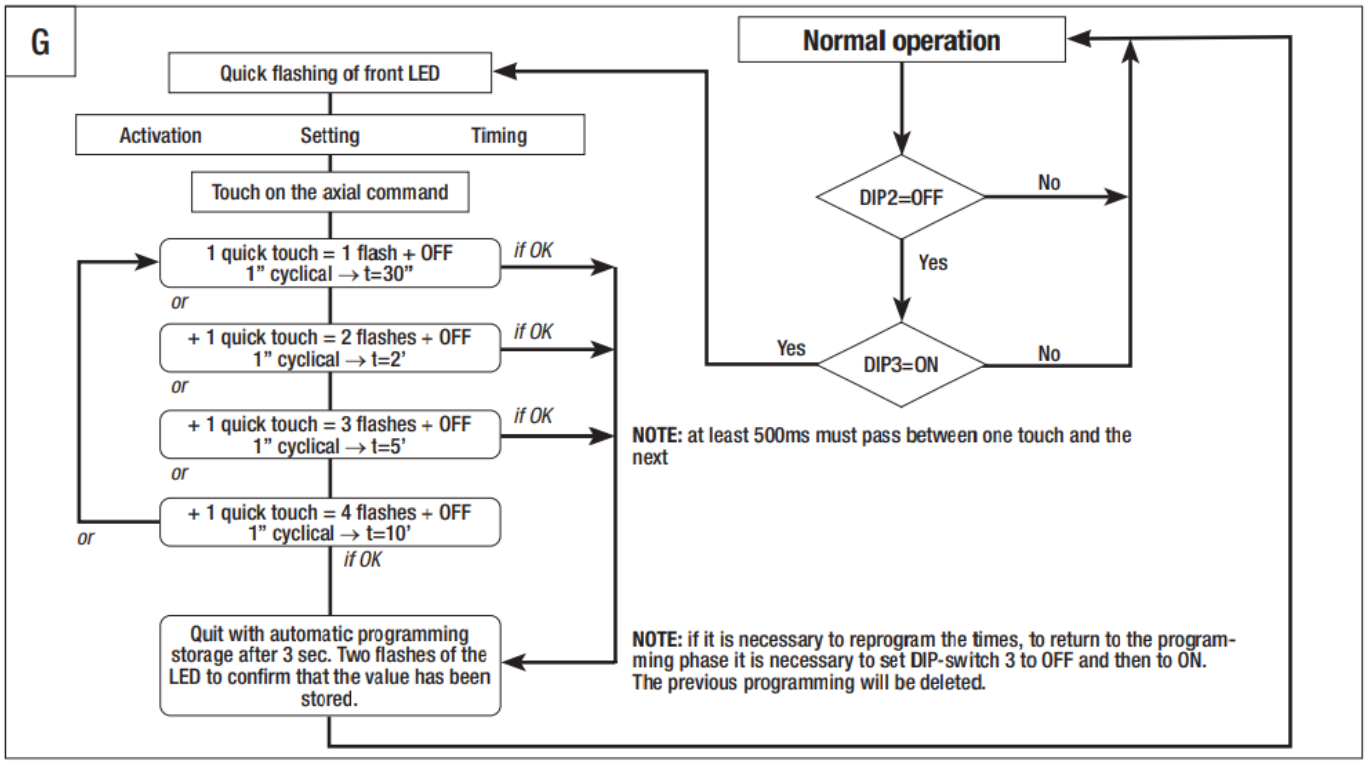
OUTPUT CONTACTS

The device receives and implements commands via a relay output. There are three possible types of implementation:

- Momentary ON/OFF (push-button function);
- Bistable ON/OFF (one-way switch function);
- Timed ON (timer function – e.g. stair raiser lights). If the axial button key is pressed again before the set time (t) has expired, the activation time is extended.

The various functions of the device are activated using the DIP switches on it (Fig. B – D)

DIP-2	**Relay function** • **ON** = output contact in momentary operation • **OFF** = output contact in bistable operation
DIP-3	**Timing** (only possible if DIP2 = OFF) • **ON** = timing activation (possibility to choose from 4 pre-set times) • **OFF** = timing deactivation To select one of the 4 pre-set times, proceed as shown in the flowchart **Fig. G**.



Auxiliary inputs
The device has two independent auxiliary inputs (that auxiliary axial commands or traditional push-buttons*, sensors, etc. can be connected to) that can be used as a control for the local load (in addition to the front push-button) or to receive a centralized OFF command. The two auxiliary inputs must both be connected to the phase line (L).

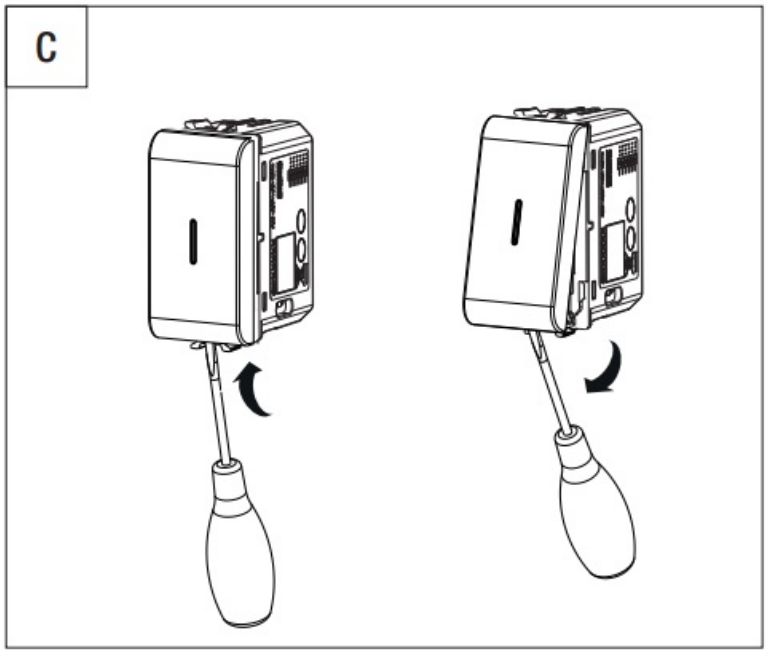
- Terminal 3 = centralized input only OFF
- Terminal 4 = input for additional local command

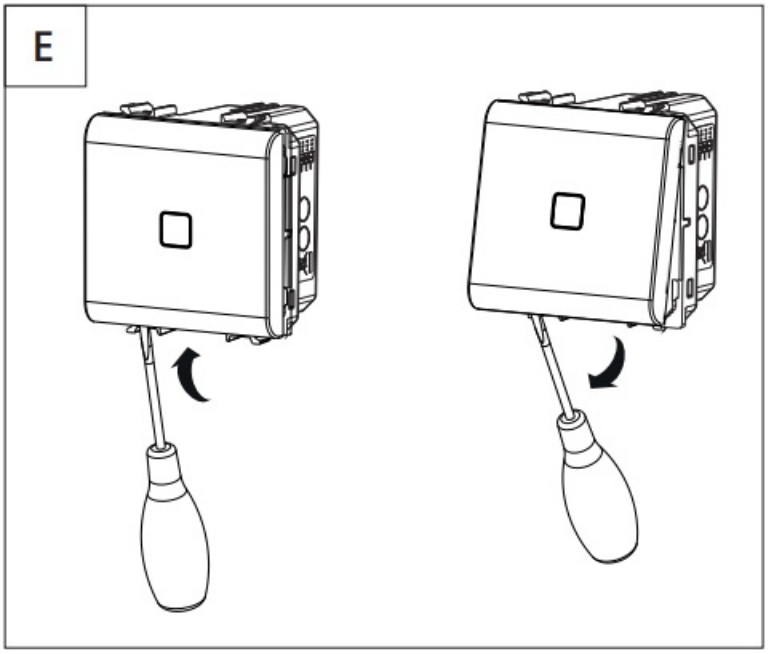
N.B.: For push-buttons with indicator lamp, this must be connected directly between line (L) and neutral (N).

BEHAVIOUR WITH POWER FAILURE AND WHEN THE POWER SUPPLY IS RESTORED
When there is a power failure, the load connected to the device is disconnected. The set values remain valid. When the power supply returns, the load status is OFF (output contact open).

ASSEMBLY

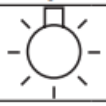
- **ATTENTION:**
  - the following operations must only be carried out when the system is not powered!
  - to remove the front button keys, refer to Fig. C and E. Apply a lever only in the points indicated. Levering in any other points may cause irreparable damage to the device!





- make sure the device line conductor (L) is protected by a circuit breaker with a maximum rated current of 10A!
- The DIP SWITCH can only be reached using insulated tools for electrical work up to 2500 Vac

TECHNICAL DATA

Power supply	100 ÷ 240V AC, 50 / 60 Hz
Auxiliary inputs	2
Max. cable length (aux. inputs)	50 m (single length)
No. of Chorusmart modules	GW10671: 1
	GW10672: 2
Output contact	5A AC1 (240V AC)
	max 500W (100 Vac) max 1,000W (240 Vac)
 **LED (max 5 lamps)**	max 50W (100 Vac) max 100W (240 Vac)
 **(max 6 lamps)**	max 60W (100 Vac) max 120W (240 Vac)
	max 125VA (100 Vac) max 250VA (240 Vac)
Front brightness signal	Blue LED
Terminals	Screwed, max section 1x1.5 mm^2
Usage environment	Dry indoor places
Operating temperature	-5°C to +45°C
Storage temperature	-25°C to +70°C
Relative humidity (non-condensative)	Max. 93%
Degree of protection	IP20 (with button key installed)
Reference Standards	Low Voltage Directive 2014/35/EU (LVD)
	Electromagnetic Compatibility Directive 2014/30/EU (EMC)
	RoHS Directive 2011/65/EU + 2015/863
	EN IEC 63000; EN 60669-2-1; EN 60669-1

Protection
The EVO axial one-way switch module has an overtemperature protection device (resettable). When the protection device has been triggered, the front LED is switched off and the output is OFF.

SAFETY INSTRUCTIONS

1. The safety of the device is only guaranteed if the safety and usage instructions are respected, so keep them handy. Make sure these instructions are received by the installer and end user.
2. This product must only be used for the purpose for which it was designed. Any other form of use should be considered improper and/or dangerous. If you have any doubts, contact the GEWISS SAT technical support service.
3. The product must not be modified. Any modification will annul the warranty and may make the product dangerous.
4. The manufacturer cannot be held liable for any damage if the product is improperly or incorrectly used or tampered with. Contact point indicated for the purpose of fulfilling the applicable EU directives and regulations:

GEWISS S.p.A. Via D. Bosatelli, 1 – 24069 Cenate Sotto (BG) – Italy

- Tel.: +39 035 946 111
- **qualitymarks@gewiss.com**

ATTENTION: Disconnect the mains voltage before installing the device or carrying out any work on it.

If the crossed-out bin symbol appears on the equipment or packaging, this means the product must not be included with other general waste at the end of its working life. The user must take the worn product to a sorted waste centre, or return it to the retailer when purchasing a new one. Products ready for disposal and measuring less than 25cm can be consigned free of charge to dealers whose sales area covers at least 400m², without any purchase obligation. An efficient sorted waste collection for the environmentally friendly disposal of the used device, or its subsequent recycling, helps avoid the potential negative effects on the environment and people's health, and encourages the re-use and/or recycling of construction materials. GEWISS actively takes part in operations that sustain the correct salvaging and re-use or recycling of electric and electronic equipment.

According to applicable UK regulations, the company responsible for placing the goods in UK market is:

- GEWISS UK LTD – Unity House, Compass Point Business Park, 9 Stocks Bridge Way, ST IVES Cambridgeshire, PE27 5JL, United Kingdom
- **tel**: +44 1954 712757
- **E-mail:** gewiss-uk@gewiss.com

+39 035 946 111
8:30 – 12:30 / 14:00 – 18:00 lunedì – venerdì / monday – friday

www.gewiss.com

SCAN THE QR CODE

FAQ

Q: Can the product be used with a load exceeding the specified power limits?
A: No, it is essential to adhere to the specified power limits to ensure safe operation and prevent damage to the product.

Q: How should I handle a power failure during operation?
A: In case of a power failure, ensure that the device is properly reset and reconfigured as per the user manual instructions.

Q: What should I do if I encounter issues with the DIP-Switch settings?
A: If you face challenges with the DIP-Switch settings, refer to the manual for detailed guidance or contact technical support for assistance.

Documents / Resources

	GEWISS GW10671, GW10672 EVO Axial One Way Switch Module [pdf] User Guide GW10671, GW10672, GW10677, GW10671 GW10672 EVO Axial One Way Switch Module, GW10671 GW10672, EVO Axial One Way Switch Module, One Way Switch Module, Switch Module, Module

References

- User Manual