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BISTABILE RELAY
sequential, 4-function

BIS-409

WARRANTY. The F&F products are covered by a warranty of the 24 months from the date of purchase. Effective only with proof of purchase. Contact your dealer or directly with us. More information how to make a compliant can be found on the website:
www.fif.com.pl/reklamacje

5 908312 598398

Do not dispose of this device in the trash along with other waste! According to the Law on Waste, electro coming from households free of charge and can give any amount to up to that end point of collection, as well as to store the occasion of the purchase of new equipment (in accordance with the principle of old-for-new, regardless of brand). Electro thrown in the trash or abandoned in nature, pose a threat to the environment and human health.

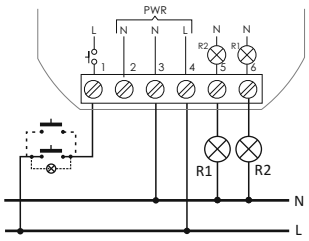
Purpose

Electronic bistable pulse relay allows you to switch on or off the lights or other device from several different points using the parallel-connected momentary (bell) control switches.
The BIS-409 relay has two switching sections and allows for switching of two lightning circuits (branches) or other receivers from several different points and in accordance with the preselected sequence.

Functioning

The relay power supply is indicated by a green LED U. Sequential relay has two separate outputs: R1 and R2. Contact status (closed/open) is forced sequentially in accordance with a predetermined program. Contacts switching to another state after subsequent pulse from control button. R1 and R2 contact activation is indicated by the relevant R1 and R2 red LED. After a power failure, state of the contact is reset. When the power is back on, the relay starts from the sequence number 0.

Connection diagram



Installation

1. Disconnect the power supply.
2. The relay mounted in flush-mounted box.
3. Connect the power supply to a group of PWR: L phase wire to terminal 4. The N neutral to terminal 2 or 3.
4. Connect parallel-connected momentary switches to the terminal 1 and phase wire L.
5. Powered receiver of section R1 connect in series to terminal 6. Powered receiver of section R2 connect in series to terminal 5.
6. Set the desired program (sequence) using the knob located at the forefront of the relay.

Note!

BIS-409 230V compatible with bell pushes equipped with fluorescend lamps. (ΣI<5mA).

Technical data

power supply	100÷265V AC
contact / current load (AC-1)	2×(1×NO) / 2×(<8A)
control pulse	160÷265V AC <20mA
maximum current of the control buttons	Σ5mA
activation lag	0.1÷0.2s
power supply indication	green LED
power consumption	
standby	0.15W
on	0.6W
working temperature	-25÷50°C
terminal	2.5mm² screw terminals
tightening torque	0.4Nm
dimensions	Ø54 (□48×43mm), h=20mm
mounting	in flush mounted Ø60
protection level	IP20

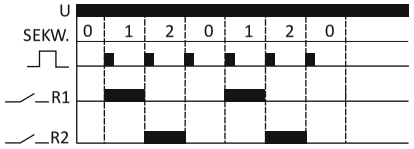
Table of power

incandescent	halogen	fluorescent	energy-saving	LED
1100W	750W	350W	200W	200W

The above data are indicative and will heavily depend on the design of a specific receiver (that is especially important for LED bulbs, energy-saving lamps, electronic transformers and pulse power supply units), switching frequency and operating conditions.
For more information visit: www.fif.com.pl.

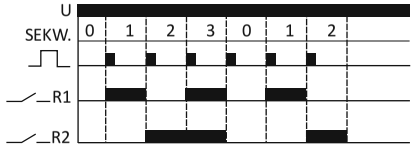
D150203

Function C



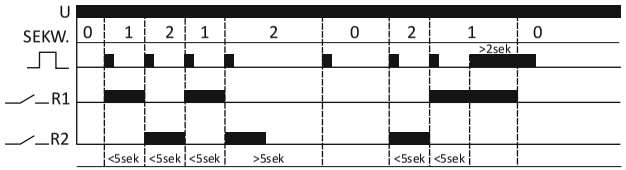
Subsequent pressing of a button repeats sequence 0-3.

Function A



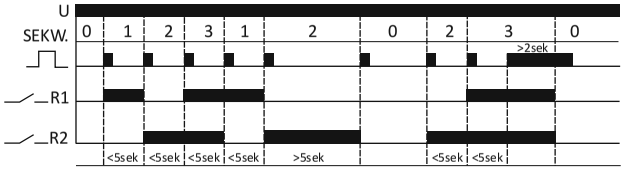
Subsequent pressing of a button repeats sequence 0-3.

Function D



* Subsequent pressing of a button in less than 5 seconds repeats sequence 1-3.
* Subsequent pressing of a button after a period of more than 5 seconds disconnects both contacts (sequence 0).
* Long press of a button - in any sequence - disconnects both contacts (sequence 0).
* Subsequent pressing of a button after disconnection of both relays restores the state from before disconnection (state memory). This does not apply in case of a relay power failure.

Function B



* Subsequent pressing of a button in less than 5 seconds repeats sequence 1-3.
* Subsequent pressing of a button after a period of more than 5 seconds disconnects both contacts (sequence 0).
* Long press of a button - in any sequence - disconnects both contacts (sequence 0).
* Subsequent pressing of a button after disconnection of both relays restores the state from before disconnection (state memory). This does not apply in case of a relay power failure.

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