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## BIS-403

Bistable relay  
with timer



**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 BIS-403 allows switching on or off the lighting or other device for a preset period of time or permanently.

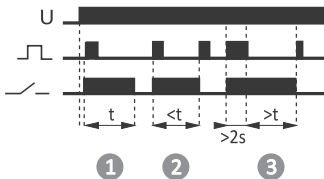
The device is controlled by one or several monostable (bell) switches connected in parallel.



### Functioning

Briefly pressing the button closes the contact (switching on the connected receiver). The contact will be opened (switching off the controlled receiver) after the preset time "t" ① has elapsed, or by pressing the button again ②.

A long press of the button, lasting at least 2 seconds, switches the contact permanently on ③.

The contact will not open until the button is pressed again (or after a power failure).

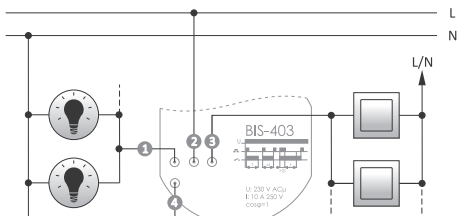


- $U$  power supply voltage
-  control signal (button press)
- $t$  relay activation time
-  relay output (NO contact)

## Mounting

1. Disconnect the power supply.
2. Mount relay in the flush-mounted box.
3. Connect the power supply to the relay as indicated: phase L to the brown wire; "zero" N to the blue wire.
4. Connect a group of parallel connected control buttons to the red wire. According to the pulse control option selected (phase or zero), connect the input of the push-button group to L-wire or N-wire.
5. Connect the powered receiver or group of receivers in series to the black wire of the relay and N-wire.
6. Set the switch-off time with the knob.

## Wiring diagram



- ① black      ② brown      ③ red      ④ blue

- 1 receiver  
2 L power supply  
3 control input  
4 N power supply








BIS-403 is not compatible with backlit buttons.

## Technical data

power supply	195÷253 V AC
contact	1×NO
maximum load current (AC-1)	10 A
control pulse current	1 mA
	triggered L or N level
activation delay	0.1÷0.2 s
adjustment time	1÷12 min.
power consumption	0.8 W
terminal	4×DY 1 mm <sup>2</sup> , l= 10 cm
working temperature	-25÷50°C
dimensions	∅55, h= 13 mm
mounting	in flush mounted box ∅60
ingress protection	IP20

## Power table

				
tungsten	halogen	fluorescent	energy-saving	LED
1250 W	900 W	600 W	300 W	150 W

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](http://www.fif.com.pl).

## 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.

## CE declaration

F&F Filipowski L.P. declares that the device is in conformity with the essential requirements of The Low Voltage Directive (LVD) 2014/35/EU and the Electromagnetic Compatibility (EMC) Directive 2014/30/UE.

The CE Declaration of Conformity, along with the references to the standards in relation to which conformity is declared, can be found at [www.fif.com.pl](http://www.fif.com.pl) on the product page.

