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BISTABLE PULSE RELAY
with "memory" contact position

BIS-411M-LED
230V

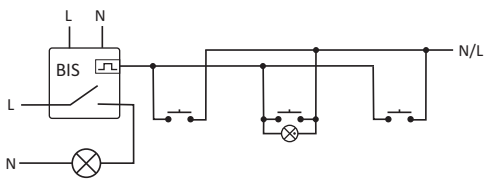
WARRANTY. The F&F products are covered by a warranty of the 24 months from the date of purchase. Effective only with proof of purchase.
Contact your dealer or directly with us.
More information how to make a compliant can be found on the website:
www.fif.com.pl/reklamacje

5 902431 670096

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 bi-stable pulse relays BIS-411M-LED enables the user to actuate lighting or other devices from various locations by means of control buttons in parallel connection.



Functioning

The receiver is actuated by means of a current pulse triggered by pushing any bell push connected to the relay. The receiver is deactivated by another pulse or after a preset time.
The relay does „memorize" the position of the relay contact, i.e. in case of supply voltage decay and the subsequent return of supply voltage, the relay contact will be set in the off position.

Relay version "LED" is to pin adapted to cooperate with the receivers with high starting current, such as LED fluorescent lamps, ESL fluorescent lamps, electronic transformers, discharge lamps, etc.

Assembly

1. Turn OFF the power.
2. Put on the relay on the rail in the switchgear box.
3. Connect the power cable to contacts 1-3 with accordance choosen control option the relay (control impulse L or N).
4. The timers switching which are connect in parallel connect to contact 6 and to cable which is connect to contact 3.
5. The activated receiver connect in series to contacts 11-12.

Attention!

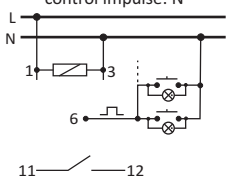
BIS-411M-LED compatible with bell pushes equipped with fluorescend lamps. (ΣI<5mA).

Technical data

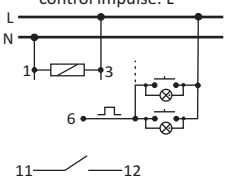
power supply	165÷265V AC
contact	separated 1×NO
current load (AC-1)	16A (160A/20ms)
control pulse	165÷265V AC <20mA
input current not triggering	<5mA
activation delay	0,1÷0,2s
signalling of supply	green LED
signalling of activation	red LED
power consumption	
standby	0,15W
on	0,7W
working temperature	-25÷50°C
terminal	2,5mm^2 screw terminals
tightening torque	0,4Nm
dimensions	1 module (18mm)
mounting	on the TH-35 rail
ingress protection	IP20

Wiring diagram

control impulse: N



control impulse: L



SUPPLY
1-3 power relay: 165÷265 V AC
CONTROL INPUTS
6 control inputs
CONTACT
11-12 output: NO contact (active)

Example of relay connection with N control pulse

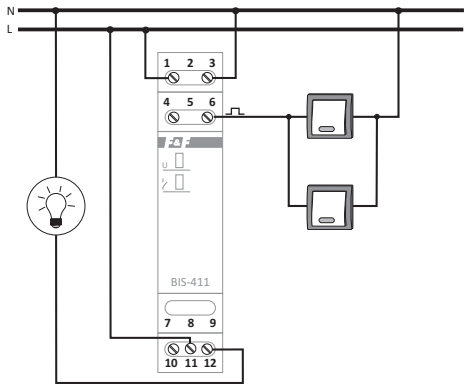


Table of power

incandescent	halogen	fluorescent	energy-saving	LED
2000W	1250W	1000W	500W	250W

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

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