

BISTABLE RELAY with switch off timer BIS-410i

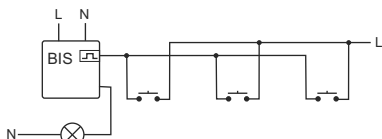
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Do not dispose of this device to a garbage bin with other unsorted waste! In accordance with the Waste Electrical and Electronic Equipment Act any household electro-waste can be turned in free of charge and in any quantity to a collection point established for this purpose, as well as to the store in the event of purchasing new equipment (as per the old for new rule, regardless of brand). Electro-waste thrown in the garbage bin or abandoned in the bosom of nature pose a threat to the environment and human health.

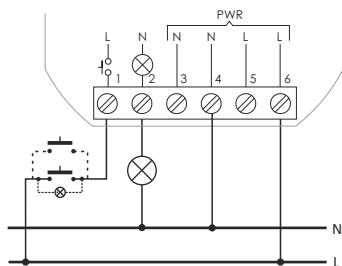
Purpose

Electronic bistable impulse relay allows switching of lighting or other equipment from several different points of using the control buttons are connected in parallel.



Relay version "i" 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.

Wiring diagram



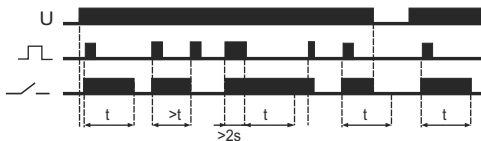
Power table

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

The above data are indicative and will depend to a large extent on the design of a specific receiver (especially for LED bulbs, energy saving lamps, electronic transformers and pulse power supplies), switching frequency and working conditions. For more information visit: www.fif.com.pl.

Functioning

The receiver is followed by current pulse triggered by pressing any (bell) connected to the relay. Turning off the receiver will be the next pulse or automatically turn off after a preset time. Longer duration (minimum 2 seconds) pressing the relay instantaneous permanently. It will cut out after a momentary button is pressed again (or after a power failure).



Assembly

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 5 or 6. The N neutral to terminal 3 or 4.
4. Parallel momentary switches connected to terminal 1 and the L phase conductor.
5. Powered receiver connected in series to terminal 2 and the N neutral conductor.
6. Potentiometer to set the switch-off time.

Note

BIS-410 can be used with illuminated buttons.



Specifications

| | |
|-----------------------------|------------------------------------|
| power supply | 100÷265V AC |
| contact / load current AC-1 | 1NO / <16A (160A/20ms) |
| current control pulse L | <5mA |
| response delay | 0.1±0.2s |
| off time - adjustable | 1÷15min. |
| supply signalling | green LED |
| power consumption | |
| standby | 0.15W |
| on | 0.6W |
| working temperature | -25÷50°C |
| terminal | 2.5mm ² screw terminals |
| tightening torque | 0.4Nm |
| dimensions | Ø54 (□48×43mm), h= 20mm |
| mounting | in the Ø60 flush-mounted box |
| ingress protection | IP20 |

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