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BIS-419-24V

Sequential bistable relay

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Electronic bistable pulse relay switch that turns on or off lights or other equipment from several different points with the parallel connected momentary (bell) control switches.

Sequential. 4-function. Power supply 24 V AC. Maximum load 2 x16 A. On TH-35 mm rail.



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DESCRIPTION

BIS-419 relay has two switching sections and allows for switching of two lightning circuits or others receivers from several different points and in accordance with the preselected sequence.

Operation

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 switch 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, contact state is reset. When the power is back on, the relay starts from the sequence number 0.

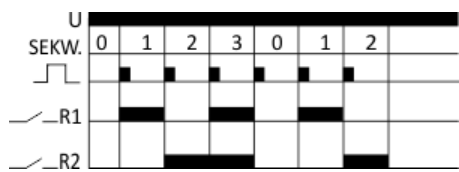
Note!

BIS-419 230 V can be used with backlit buttons.



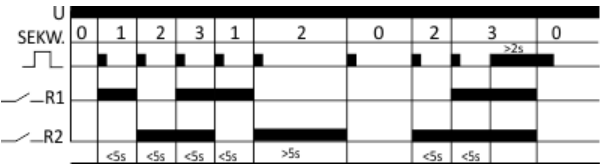
Working function

Function A



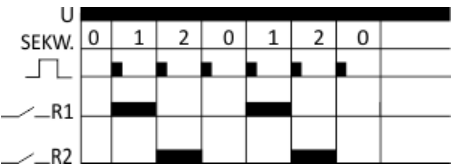
Pressing the button subsequently repeats sequences 0-3.

Function B



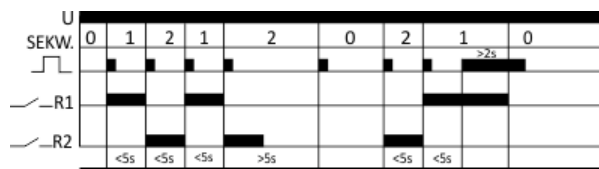
- * Pressing the button subsequently in less than 5 seconds repeats sequences of 1-3.
- * Subsequent pressing of the button after more than 5 seconds disconnects both contacts (sequence 0).
- * Long press - in any sequence - disconnects both contacts (sequence 0).
- * Pressing the button after both relays were turned off restores the last state (memory of state). Does not apply in the case of a relay power failure.

Function C



Pressing the button subsequently repeats sequences 0-3.

Function D



- * Pressing the button subsequently in less than 5 seconds repeats sequences of 1-3.
- * Subsequent pressing of the button after more than 5 seconds disconnects both contacts (sequence 0).
- * Long press - in any sequence - disconnects both contacts (sequence 0).
- * Pressing the button after both relays were turned off restores the last state (memory of state). Does not apply in the case of a relay power failure.

Table of power

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

These 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.

TECHNICAL DATA

Width in number of modular spacings	1
Built-in depth	65 mm
Control voltage 1	9-30 V
Frequency control voltage 1	0-50 Hz
Rated switch current	16 A
Supply voltage	9-30 V
Max. incandescent lamp load	2000 W
Max. load fluorescent lamp	600 VA
Max. load fluorescent lamp (Duo circuit)	750 VA
Max. load fluorescent lamp (parallel compensated)	600 VA
Max. switching current (cos phi = 0.6)	12 A
Suitable for manual operation	Nie
Function	Electronic switch
Mounting method	DIN rail
Type of control voltage 1	AC/DC
Voltage type (supply voltage)	AC/DC
Number of contacts as normally open contact	0
Number of contacts as normally closed contact	0
Number of contacts as change-over contact	2

Manual

CE declaration

Certificate