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## BIS-412

### ELECTRONIC BI-STABLE PULSE RELAY hotel-type

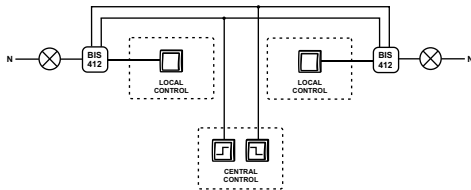


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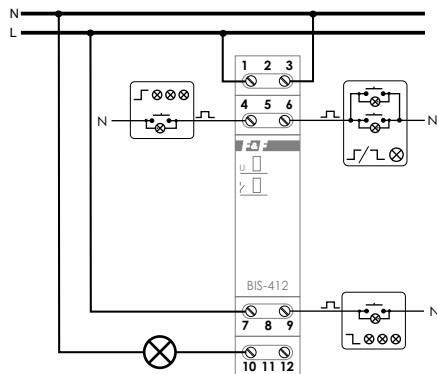
F&F products are covered by a 24 months warranty from date of purchase

#### PURPOSE

BIS- 412 electronic bi-stable pulse relay is designed for operation in a group configuration. A single relay enables the activation and deactivation of the receiver controlled after each current pulse triggered by pushing a local control momentary push-button (bell-push). The group configuration enables the deactivation or activation of all receivers connected to individual relays by means of the central control push-buttons.



#### WIRING DIAGRAM



#### ASSEMBLY

1. Turn OFF the power.
2. Put on the relay on the rail in the switchgear box.



Don't install a unit which is broken or incomplete.

3. Connect the power cable to joint 1-3 with marks.



Groups of the relay working from common central control must be supplied from the same phase e.g. only L1.

#### FUNCTIONING

Switch ON the relay is sign by shine of green LED.

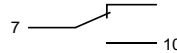
#### Central control

DEACTIVATE ALL - after a current pulse triggered by pushing the momentary push-button, all receivers will be deactivated (regardless of their status, i.e. deactivation or activation) that are controlled separately by individual relays. The contact in each relay will be switched to the 7-12 position.

ACTIVATE ALL - after a current pulse triggered by pushing the momentary push-button, all receivers will be activated (regardless of their status, i.e. deactivation or activation) that are controlled separately by individual relays. The contact in each relay will be switched to the 7-10 position.

#### Connect description.

- 1-3 supply 230V (L-N)
- 6 local control- activate/deactivate
- 4 central control - activate all
- 9 central control - deactivate all
- 7-10-12 separate switch joint 1P



Control inputs can be supplied only from neutral cable (N).



During while control fix SHOULD KEEP ON A SPECIFIC CARE Incorrect connection can make electric shock and/or broke control or supply.

4. Control local and central control switches connect to joint accordance with function and to cable N.

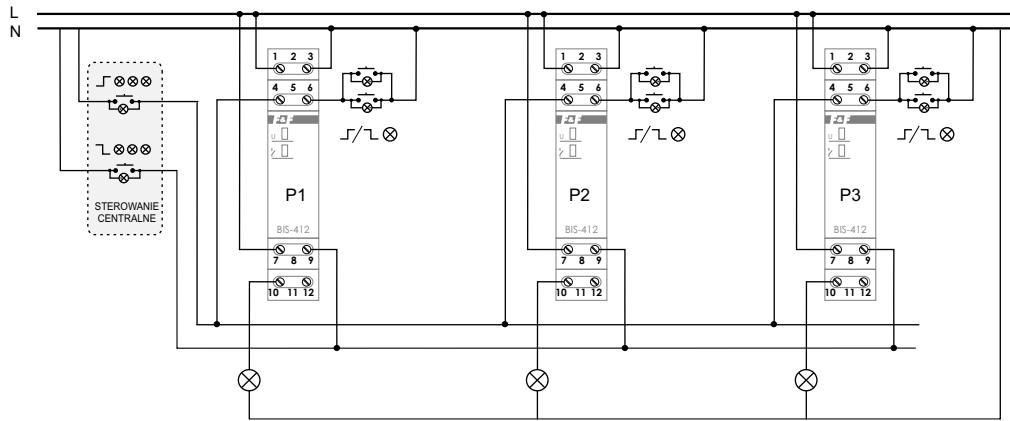


Connecting to control inputs the relays different "zeros" N can make a wrong work of system and short circuit in system and broke the controls.

5. In the control supplied circuit of receiver (light), connect to in series the relay joint ( connect the power to joint 7, a control receiver connect to between joint 10 and cable N).
6. Turn ON the power.

#### TECHNICAL DATA

supply	230V AC
current load	<16A
activation delay	<0,2sec
sygnalling of supply	green LED
sygnalling of activation	red LED
power consumption	0,8W
connection	screw terminals 2,5mm <sup>2</sup>
working temperature	-25÷50°C
dimensions	1 module (18mm)
fixing	on the rail TH-35



Group-type circuit diagram



Diagram