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BIS-412P

Bistable relay,
group

5 902431 670027

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

The electronic bistable pulse relay BIS-412P is designed for group operation. A single relay allows the controlled load to be switched on and off after each pulse of current caused by pressing the momentary (bell) pushbutton of the local control connected to this relay.

The group system allows all the receivers connected to a particular relays to be switched off or on by pressing the central control button.

Functioning

Green [U/R] LED indication:

» LED blinks (ON: 30 msec / OFF: 1 sec) – standby mode; the receiver is switched off.

» LED is constantly on – the receiver is switched on.

LC local control

The receiver is switched on after a pulse caused by pressing any one momentary LC button from the local control group.
After the next pulse, the receiver will be switched off.

CC central control

SWITCH OFF EVERYTHING – after the pulse caused by pressing the momentary CCOFF button, all receivers will be switched off (regardless of their status – off or on).
SWITCH ON EVERYTHING – after the pulse caused by pressing the momentary CCON button, all receivers will be switched off (regardless of their status – off or on).

BIS-412P can operate with backlit buttons.

Mounting

1. Disconnect the power supply.
2. Fix the relay in a flush-mounted box.
3. Connect the supply wires to terminals 5-6 as marked.
4. Connect the local control and central control switches to the LC and CC terminals of the relay respectively according to function and to the L wire.

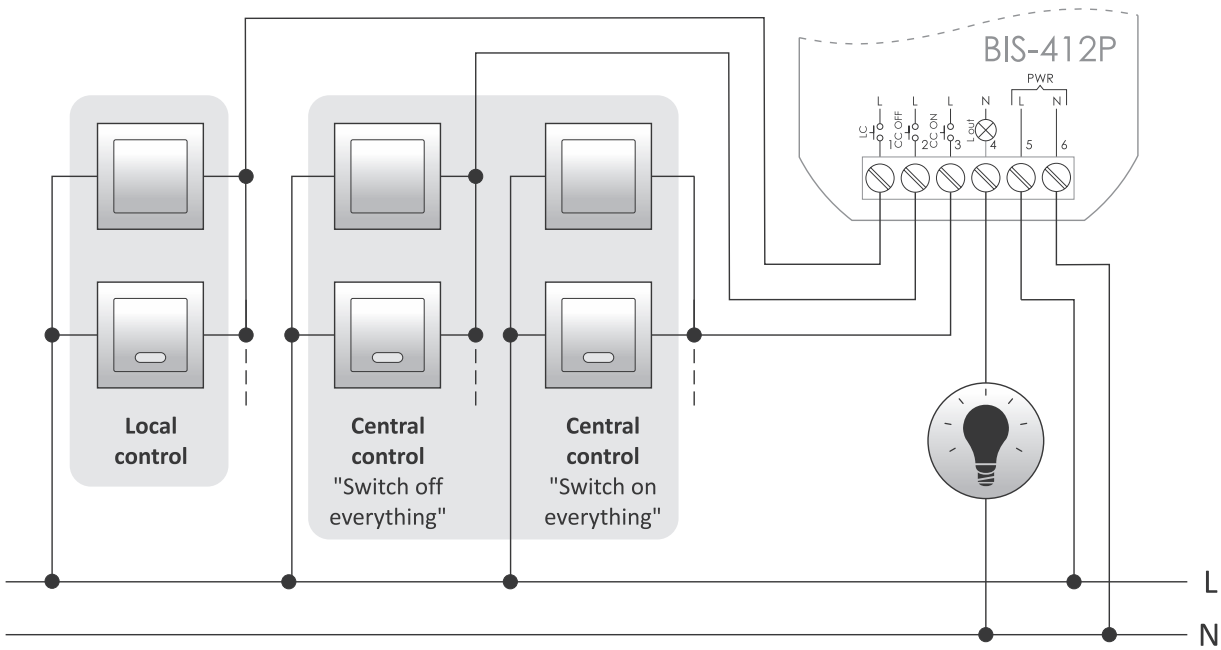
A group of relays working with a common central control must be supplied from the same phase, e.g. L1 only.

5. Connect the local control and central control switches to the LC and CC terminals of the relay respectively according to function and to the L wire.

Connecting different phases to the control inputs of the relays will lead to an electrical short in the installation and destroy the controls.

5. Connect the controlled receiver in series to terminal 4 and N.
6. Connect the power supply.

Wiring diagram



1	local control LC – ON/OFF
2	central control CCOFF – ALL OFF
3	central control CCON – ALL ON
4	230 V LOUT ouput (power supply to receiver under control)
5-6	230 V power supply (L-N)

The maximum total backlight current of all connected buttons must not exceed 5 mA.

Technical data

power supply	165÷265 V AC
contact	1×NO
maximum load current (AC-1)	16 A*
control pulse current	<1 mA
total backlight current	
control buttons	5 mA
activation delay	0.1÷0.2 s
signalling activation	green LED
power consumption	
standby	0.15 W
on	0.6 W
terminal	2.5 mm² screw terminals
tightening torque	0.4 Nm
working temperature	-25÷50°C
dimensions	1 module (18 mm)
mounting	on TH-35 rail
ingress protection	IP20

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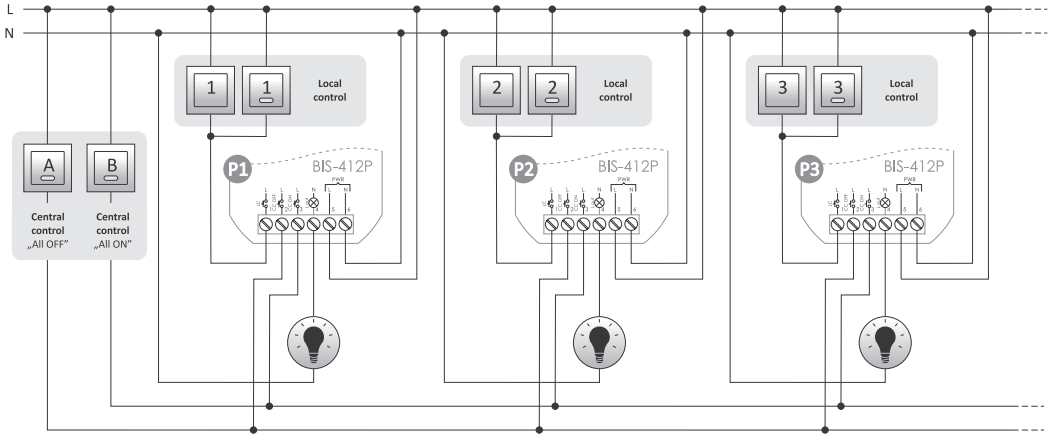
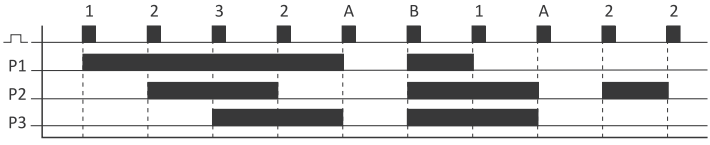
** Load of a resistive nature [AC-1].*
For loads of a different nature (e.g. LED lighting), the maximum load current may be significantly lower.
More information:
www.fif.com.pl/en/content/24-wskazowki

Wiring diagram

Wiring diagram in group system





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 on the product page.


«F&F»