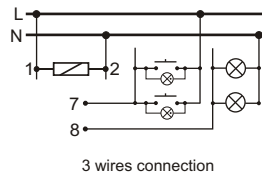
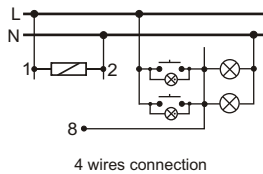


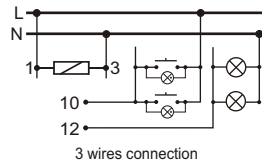
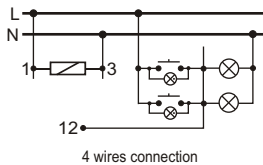
## AS-B220 / AS-B24



supply AS-B 220	230V AC
AS-B24	24V AC/DC
current load	<16A
switching OFF delay (to set)	0,5+10m
switching ON delay	<1sec
power consumption	1,2W
connection	screw terminals 2,5mm <sup>2</sup>
working temperature	-25+50°C
dimensions	2 modules (35mm)
fixing	on rail TH-35

AS-B 220 is adapted to co-operate with pushbuttons equipped with neon lamp.

## AS-212 / AS-214



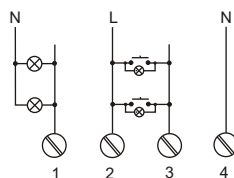
supply AS-212	230V AC
AS-214	24V AC/DC
current load	<16A
switching OFF delay (to set)	0,5+10m
switching ON delay	<1sec
power consumption	0,56W
connection	screw terminals 2,5mm <sup>2</sup>
working temperature	-25+50°C
dimensions	1 module (18mm)
fixing	on rail TH-35

AS-212 is adapted to co-operate with pushbuttons equipped with neon lamp.

## WITH ADDITIONAL FUNCTION OF COUNTER-BLOCKADE

Function of counter blockade does not allow to keep the light-ON in case of staircase switch blocking (after blocking the pushbutton, for example by match, the timer will count the set time and switch OFF the lighting). Next switching ON can be after removing the blockade.

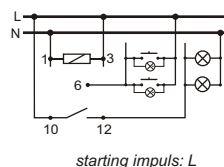
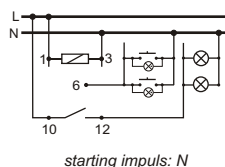
## ASO-202 / ASO-203



supply ASO-202	230V AC
ASO-203	24V AC/DC
current load	<16A
switching OFF delay (to set)	0,5+10m
switching ON delay	<1sec
power consumption	0,56W
connection	screw terminals 2,5mm <sup>2</sup>
working temperature	-25+50°C
dimensions	50×67×26mm
fixing	two screws to substrate

ASO-202 is adapted to co-operate with pushbuttons equipped with neon lamp.

## AS-223 / AS-224



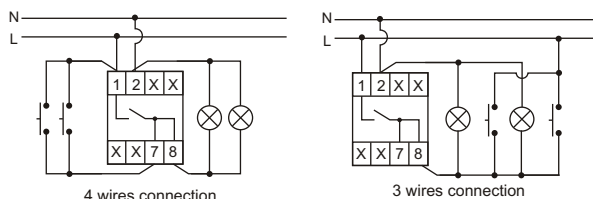
supply AS-223	230V AC
AS-224	24V AC/DC
current load	<16A
switching OFF delay (to set)	0,5+10m
switching ON delay	<1sec
power consumption	0,56W
connection	screw terminals 2,5mm <sup>2</sup>
working temperature	-25+50°C
dimensions	1 module (18mm)
fixing	on rail TH-35

AS-223 is adapted to co-operate with pushbuttons equipped with neon lamp.

## WITH FUNCTION OF SIGNALISATION OF LIGHTING SWITCHING-OFF.

### AS-221T

Turned ON staircase timer supports the lighting during set time by potentiometer (from 0,5min. to 10min.) and upon elapse of this set time a reduction by half of lighting brightness follows for about 30 seconds, after that OFF follows (thus an occurrence of a sudden darkness is avoided, enabling safe approach to the switch). After switching OFF the lighting there is possibility to switch it ON again.



supply	230V AC
current load	<10A
switching OFF delay (to set)	0,5÷10m
switching ON delay	<1sec
time of reduced brightness	~30sec
power consumption	0,8W
connection	screw terminals 2,5mm <sup>2</sup>
working temperature	-25÷50°C
dimensions	2 modules (35mm)
fixing	on rail TH-35

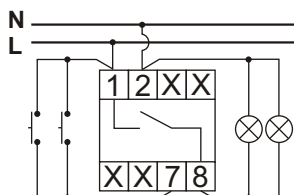
#### ATTENTION!

The AS-221T is not compatible with glow-discharge tubes, compact fluorescent lamps and other lighting devices including electric starters.

### AS-222T

#### WITH COUNTER BLOCKADE

Turned ON staircase timer supports the lighting during set time by potentiometer (from 0,5min. to 10min.) and upon elapse of this set time a reduction by half of lighting brightness follows for about 30 seconds, after that OFF follows (thus an occurrence of a sudden darkness is avoided, enabling safe approach to the switch). Function of counter blockade does not allow to keep the light-ON in case of staircase switch blocking (after blocking the pushbutton, for example by match, the timer will count the set time and switch OFF the lighting). Next switching ON can be after removing the blockade.



supply	230V AC
current load	<10A
switching OFF delay (to set)	0,5÷10m
switching ON delay	<1sec
time of reduced brightness	~30sec
power consumption	0,8W
connection	screw terminals 2,5mm <sup>2</sup>
working temperature	-25÷50°C
dimensions	2 modules (35mm)
fixing	on rail TH-35

#### ATTENTION!

The AS-222T is not compatible with glow-discharge tubes, compact fluorescent lamps and other lighting devices including electric starters.

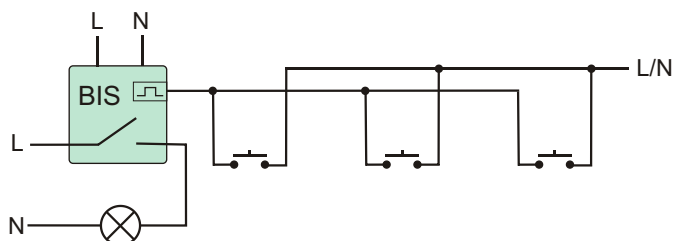
#### ATTENTION!

Automatic staircase switches for other voltages than specified in the technical data table are also available on special request (12V, 48V, and 110V AC/DC and other). The offer does not include the AS-221T and AS-222T models.

# 3. ELECTRONIC BI-STABLE PULSE RELAYS

## PURPOSE

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



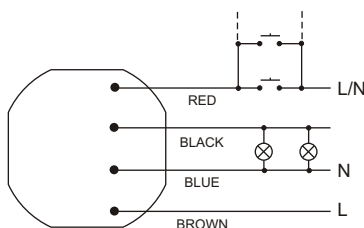
## SWITCH ON - SWITCH OFF TYPE

### 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 not "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. Such a solution prevents the automatic actuation of the receivers controlled that might occur without proper supervision after a long-lasting decay of supply voltage.

## BIS-402

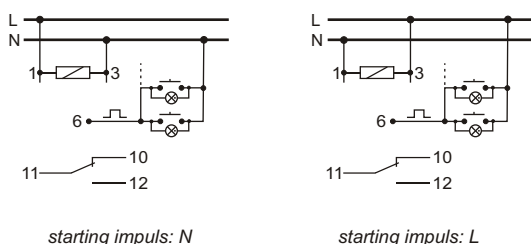


supply	230V AC
current load	<10A
controlling current	0,5÷1mA
activation delay	0,1÷0,2sec
power consumption	0,4W
connection	wires 4×1mm <sup>2</sup> ; l=10cm
working temperature	-25÷50°C
dimensions	Ø55, h=13mm
fixing	to under plaster box Ø60

### ATTENTION!

The BIS-402 is not compatible with bell pushes equipped with fluorescent lamps.

## BIS-411



supply	230V AC
current load	<10A
controlling current	0,5÷1mA
activation delay	0,1÷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 rail TH-35

### ATTENTION!

The BIS-411 is compatible with bell pushes equipped with fluorescent lamps.