finder
RELAYING INNOVATION

YESLY Multifunction Electronic Relays



- Bathroom lighting control
- Bedroom light control
- Living room light control
- Office lighting control

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Multi and Single function electronic relays with Bluetooth

13.22 - Electronic multifunction relay 2 Pole
- Round wall box (ie: Ø 60 mm) mounting
- 21 available functions (step relays, timer, staircase timer) for lighting and fan motor control

13.72 - Electronic multifunction relay 2 Pole
- Wall mounting, compatible with most popular Italian residential switch boxes: AVE, BTicino, Gewiss, Simon-Urmet, Vimar
- 21 available functions: step relays, timing (1s - 24h), electric shutter, blind or curtain control

13.S2 - Electronic roller shutter actuator
- Round wall box (ie: Ø 60 mm) mounting
- For electric shutter, blind or curtain control

- 2 contacts NO 6 A - 230 V AC independent and programmable channels
- 2 inputs for wired push-buttons (one input per channel)
- Transmission range: approximately 10 m in free space and without obstacles

13.22/13.S2/13.72
Box clamp



NOTE: with 110…125 V AC supply, the Ratings (AC1, AC15 and lamp loads) must be reduced by 50 % (e.g. 200 W instead of 100 W)

For outline drawing see page 8

13.22

YESLY



- Offering a variety of ON/OFF functions associated with lighting and fan motor control
- Transmission protocol Bluetooth Low Energy (BLE)
- Safe connection with 128-bit encryption
- App programming with iOS or Android Smartphone: Finder YOU
- Can be managed through standard push-buttons, BEYON and Type 013.B9 wireless buttons

13.72

YESLY



- Offering a variety of ON/OFF functions associated with lighting, electric shutters, blinds or curtains
- Transmission protocol Bluetooth Low Energy (BLE)
- Safe connection with 128-bit encryption
- App programming with iOS or Android Smartphone: Finder YOU
- Can be managed through standard push-buttons, BEYON and Type 013.B9 wireless buttons

13.S2

YESLY



- Suitable for electric shutters, blind or curtain control
- Transmission protocol Bluetooth Low Energy (BLE)
- Safe connection with 128-bit encryption
- App programming with iOS or Android Smartphone: Finder YOU
- Can be managed through standard push-buttons, BEYON and Type 013.B9 wireless buttons

Contact specification				
Contact configuration		2 NO (DPST-NO)	2 NO (DPST-NO)	2 NO (DPST-NO)
Rated current	A	6	6	6
Inrush current/specific energy (I^2t)	A/A^2s	70/1.2	70/1.2	—
Rated voltage/ Maximum switching voltage	V AC	230/—	230/—	230/—
Rated load AC1	VA	1380	1380	1380
Rated load AC15 (230 V AC)	VA	300	300	300
Single phase motor rating (230 V AC)	W	200	200	200
Nominal lamp rating 230 V:				
incandescent/halogen	W	200	200	—
fluorescent tubes with electronic ballast	W	400	400	—
fluorescent tubes with electromagnetic ballast	W	400	400	—
LED (230 V)	W	60	60	—
LED surface luminaires	W	120	120	—
LED strips	W	1200	1200	—
LV halogen or LED with electronic ballast	W	200	200	—
Supply specification				
Nominal voltage (U_N)	V AC (50/60 Hz)	110…230	110…230	110…230
	V DC	—	—	—
Rated power AC/DC	VA (50 Hz)/W	2 / 0.5	2 / 0.5	2 / 0.5
Operating range	AC (50 Hz)	$(0.8…1.1)U_N$	$(0.8…1.1)U_N$	$(0.8…1.1)U_N$
	DC	—	—	—
Technical data				
Electrical life at rated load in AC1	cycles	$60 \cdot 10^3$	$60 \cdot 10^3$	$60 \cdot 10^3$
Maximum impulse duration		continuous	continuous	continuous
Dielectric strength between: open contacts	V AC	1000	1000	1000
Ambient temperature range	°C	–10…+50	–10…+50	–10…+50
Protection category		IP 20	IP 20	IP 20
Approvals (according to type)		CE UK CA	CE UK CA	CE UK CA

Bluetooth single channel multifunction relay

Type 13.21.8.230.B000

- BLE communication protocol
- Round wall box (ie: Ø 60 mm) mounting
- 12 available functions
- Up to 8 scenarios
- Push-button Phase or Neutral connection

13.21
Box clamp



13.21.8.230.B000

YESLY



- 1 CO (SPDT) 16 A 250 V AC
- Bluetooth Low Energy (BLE) transmission protocol
- 128-bit encrypted connection
- Programmable via app Finder YOU compatible with iOS and Android operating systems
- It can be connected to wired buttons or to BEYON and 013B9 wireless buttons
- Recess mounting

For outline drawing see page 9

Contact specification		
Contact configuration		1 CO (SPDT)
Rated current	A	16
Inrush current/specific energy (I^2t)	A/A^2s	209/16.5
Rated voltage/ Maximum switching voltage	V AC	250
Rated load AC1	VA	3600
Rated load AC15 (230 V AC)	VA	600
Single phase motor rating (230 V AC)	W	500
Nominal lamp rating 230 V:		
incandescent/halogen	W	1000
fluorescent tubes with electronic ballast	W	800
fluorescent tubes with electromagnetic ballast	W	800
LED (230 V)	W	300
LED surface luminaires	W	400
LED strips	W	2500
LV halogen or LED with electronic ballast	W	300
Supply specification		
Nominal voltage (U_N)	V AC (50/60 Hz)	110…230
	V DC	—
Rated power AC/DC	V A (50 Hz)/W	2.8 / 0.8
Operating range	AC (50 Hz)	$(0.8…1.1)U_N$
	DC	—
Technical data		
Electrical life at rated load in AC1	cycles	$50 \cdot 10^3$
Maximum impulse duration		continuous
Dielectric strength between: open contacts	V AC	1000
Ambient temperature range	°C	–10…+50
Protection category		IP 20
Approvals (according to type)		CE UK CA

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Ordering information

Example: Multifunction relay with YESLY Bluetooth.

								A		B		C	D
1	3	.	7	2	.	8	.	2	3	0	.	B	0	0	0

Series

Type
2 = YESLY - multifuction relay, wall box mounting
7 = YESLY - Multifunction relay compatible with the most popular Italian wall switch systems: AVE, BTicino, Gewiss, Simon-Urmet, Vimar
S = YESLY - Shutter/blind/curtain actuator, wall box mounting

No. of poles
1 = 1 pole 16 A
2 = 2 poles 6 A NO (SPST-NO)

Supply version
8 = AC (50/60 Hz)

Supply voltage
230 = 110…230 V AC

A: Transmission protocol
B = Bluetooth Low Energy (BLE)

0 = White
2 = Anthracite gray

Codes / Supply voltage
13.21.8.230.B000 110…230 V AC YESLY
13.22.8.230.B000 110…230 V AC YESLY
13.S2.8.230.B000 110…230 V AC YESLY
13.72.8.230.B000 110…230 V AC YESLY BLE white
13.72.8.230.B002 110…230 V AC YESLY BLE anthracite gray

Technical data

Terminals		**13.72**		**13.21 - 13.22 - 13.S2**	
Max. wire size		solid cable	stranded cable	solid cable	stranded cable
	mm^2	1 x 4 / 2 x 2.5	1 x 4 / 2 x 2.5	1 x 2.5 / 2 x 1.5	1 x 2.5 / 2 x 1.5
	AWG	1 x 12 / 2 x 14	1 x 12 / 2 x 14	1 x 14 / 2 x 16	1 x 14 / 2 x 16
Screw torque	Nm	0.8		0.5	
Wire strip length	mm	9			

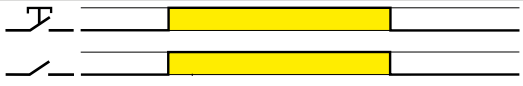
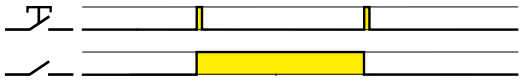
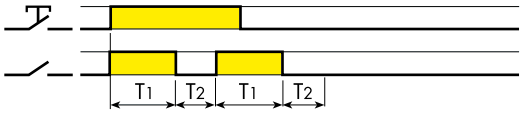
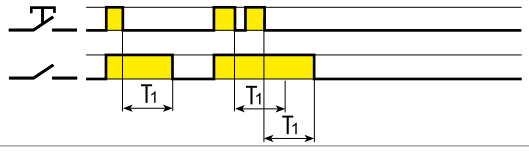
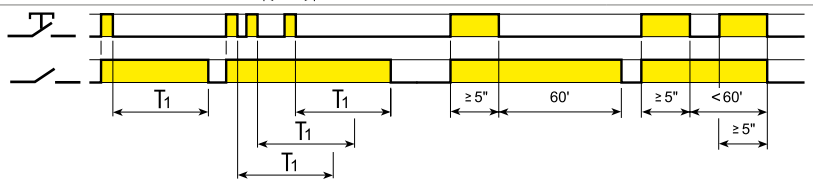
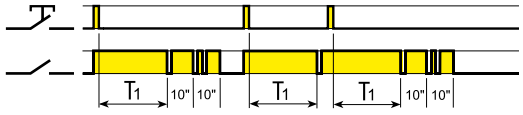
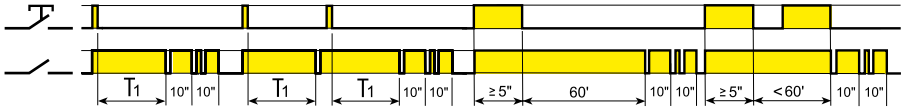
Other data		**13.21**	**13.22 - 13.S2 - 13.72**
Power lost to the environment			
without contact current	W	0.4	0.5
with rated current	W	2.2	1.5

EMC specifications			
Type of test		**Reference standard**	
Electrostatic discharge	contact discharge	EN 61000-4-2	4 kV
	air discharge	EN 61000-4-2	8 kV
Radiated electromagnetic field	(80…3000 MHz)	EN 61000-4-3	10 V/m
Fast transients (burst) (5-50 ns, 5 and 100 kHz)	on supply terminals	EN 61000-4-4	4 kV
	on push-button connection	EN 61000-4-4	4 kV
Voltage pulses on supply terminals (surge 1.2/50 µs)	differential mode	EN 61000-4-5	2 kV
Radiofrequency common mode voltage (0.15…80 MHz)	on supply terminals	EN 61000-4-6	10 V
	on push-button connection	EN 61000-4-6	10 V
Voltage dips	70% U_N, 40% U_N	EN 61000-4-11	10 cycles
Short interruptions		EN 61000-4-11	10 cycles
Radio frequency conducted emissions	0.15…30 MHz	EN 55015 / ETSI EN 301489-1/301489-17	Class B
Radiated emissions	30…6000 MHz	ETSI EN 301489-1/301489-17	Class B

Functions

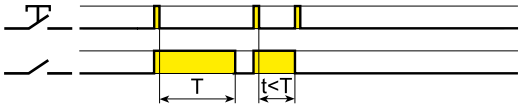
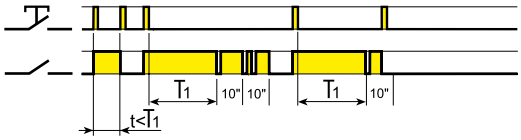
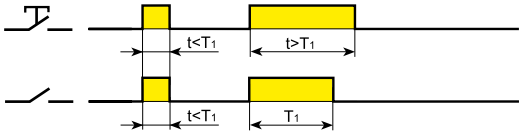
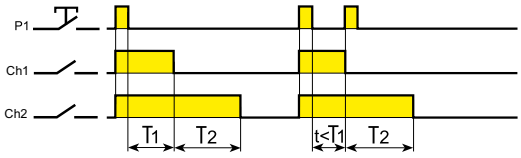
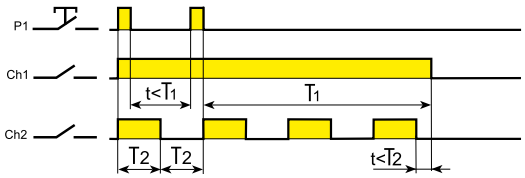
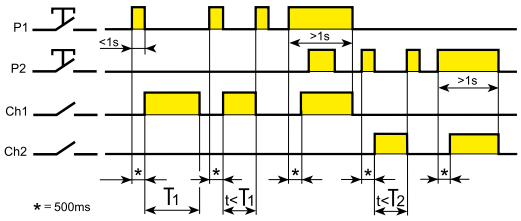
Relay settings

Multifunction electronic relays can be configured with the Finder YOU app, available for iOS or Android systems.
This product is ready-to-use preset with the factory setting (RI) Step relay on both channels.

Type	Functions	
13.21-B000 **13.22** **13.72**		**(RM) Monostable relay.** On closure of the switch the output will close, and remain so, until the switch opens.
		**(RI) Step relay (push-button control).** After every impulse, the output contact changes state - alternately switching from open to closed and vice versa.
		**(RIa) Step relay - lighting switch control (Type 13.22 and 13.21.8.230.B000 only).** Each time a lighting switch is activated, the output contact changes state. The output state can also be changed using YESLY wireless push-button, a smartphone, or voice assistants. Ideal for converting a traditional lighting system using one, two, or four way switches, into a Smart system. (See page 9).
		**(LE) Asymmetric flasher (starting pulse on) with control signal.** Power is permanently applied to the relay. Closing Signal Switch (S) causes the output contacts to transfer immediately and cycle between ON (T1) and OFF (T2), until opened.
		**(DE) Interval with control signal on.** Power is permanently applied to the relay. On momentary or maintained closure of Signal Switch (S), the output contacts transfer, and remain so for the duration of the preset delay, after which they reset.
		**(BE) Staircase timer.** On initial impulse the output contact closes and timing starts for the pre-set duration; subsequent impulses during the timing period will extend the timing period by the full pre-set value. On expiry of the time delay, the output contact opens.
		**(ME) Staircase timer + Staircase maintenance.** In addition to the Staircase timer function (BE), an impulse of ≥ 5 seconds will close the output contact for 60 minutes, after which time the contact will open. Ideal for maintenance or cleaning activities. The 60 minute timing can be interrupted by a further impulse of ≥ 5 seconds, when the output contact then opens.
		**(BP) Staircase timer with switch off early warning.** On initial impulse the output contact closes and the timing starts for the pre-set duration. After the timing period, the output contact blinks off once; 10 seconds later the contact blinks off twice, and after a further 10 seconds the contact opens. During the pre-set and 20 second warning time, it is possible, by a further impulse, to extend the time by the full pre-set value.
		**(MP) Staircase timer with switch off early warning + staircase maintenance.** In addition to the Staircase timer function (BP), an impulse of ≥ 5 seconds will close the output contact for 60 minutes, after which time the output contact blinks off once; 10 seconds later the contact blinks off twice, and after a further 10 seconds the contact will open. Ideal for maintenance or cleaning activities. The 60 minute timing can be interrupted by a further impulse of ≥ 5 seconds, when the output contact then opens.

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Functions

Type	Functions	
13.21-B000 13.22 13.72		**(IT) Timing step relay.** On initial impulse the output contact closes and timing starts. On expiry of the time delay, the output contact opens. During the timing period it is possible to immediately open the contact with a further impulse.
		**(IP) Timing step relay with switch off early warning.** On initial impulse the output contact closes and timing starts. After the timing period, the output contact blinks off once; 10 seconds later the contact blinks off twice, and after a further 10 seconds the contact opens. During the pre-set and 20 second warning time, it is possible to immediately open the output contact by a further impulse.
		**(FZ) Timing monostable.** The output will be closed when the switch is closed, except where the switch is closed for greater than the preset time T1 - in which case the output contact opens.
13.22 13.72		**(VB) Bathroom light + fan.** Channels Ch1 and Ch2 both close when the P1 command is pressed. At the expiry of T1 Ch1 opens and after a further delay of T2, Ch2 opens. Ch1 can be prematurely opened by another press of P1.
		**(CP) Ringbell + light.** A press to P1 closes Ch1 for the pre-set time T1. While Ch1 is closed Ch2 executes a blinking function, at a rate set by T2. Subsequent presses to P1 extends the Ch1 closed time by re-triggering T1.
13.S2 13.72		**(TP) Roller shutter.** A short press (<1 second) to P1 ("up" push-button) initiates a 500ms delay before Ch1 closes for time T1. Pressing P1 again within time period T1 will immediately open Ch1 contact. If P1 is closed for more than 1 second the Ch1 contact will open immediately P1 opens. The same operation applies to P2 and Ch2 contact, used to control the "down" function.

Sequences

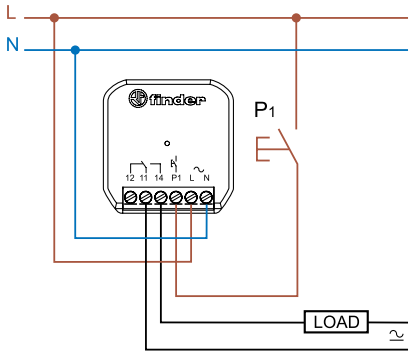
P1 (SET): press to advance through the sequence

P2 (RESET): press to return to Step 1

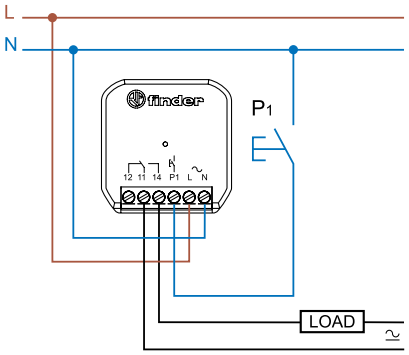
Type	Functions	Sequences			
		1	2	3	4
13.22 13.72	02				
	03				
	04				
	05				
	06				
	07				
	08				

Wiring diagrams

Type 13.21.8.230.B000
Wiring with push-button to phase

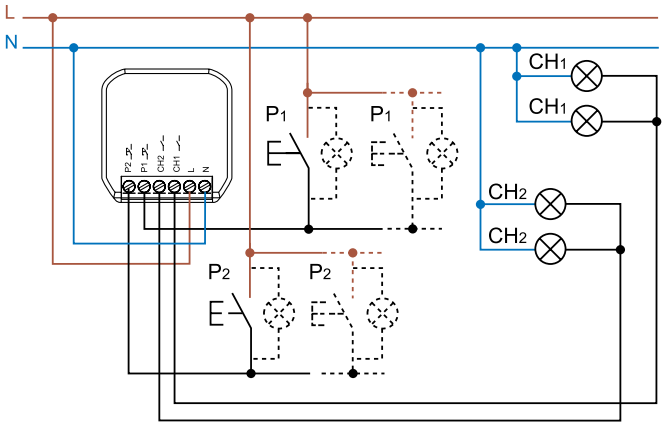


Type 13.21.8.230.B000
Wiring with push-button to neutral



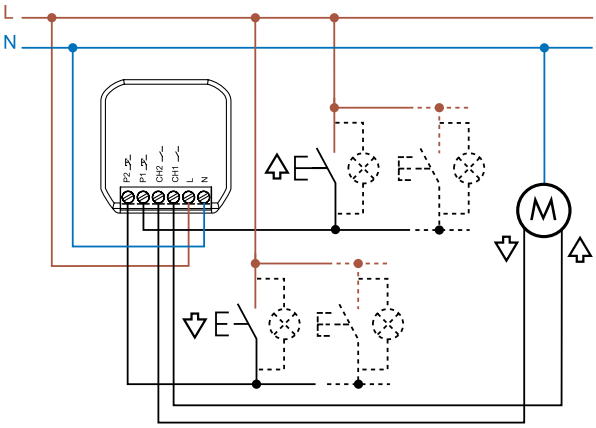
Note: If the load is powered by a phase other than the one that powers the 13.21, a 50% reduction in the lamp capacity must be considered (set the "Different phase" function from the Finder YOU app).

Type 13.22
4 wire connection



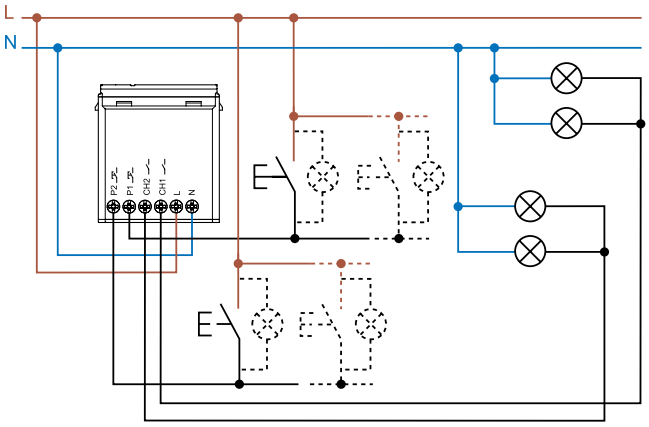
Maximum 5 (≤ 1 mA)
illuminated push-buttons

Type 13.S2
4 wire connection



Maximum 5 (≤ 1 mA)
illuminated push-buttons

Type 13.72
4 wire connection



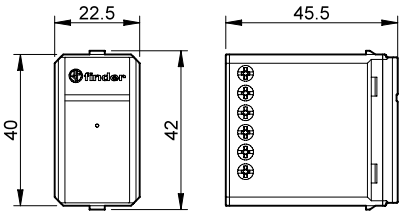
Maximum 5 (≤ 1 mA)
illuminated push-buttons

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Outline drawings

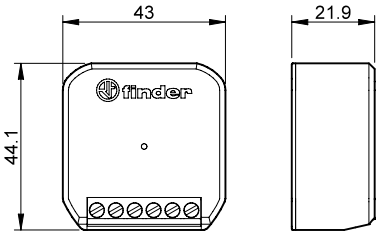
Type 13.72
Box clamp





Types 13.21/13.22/13.S2
Box clamp

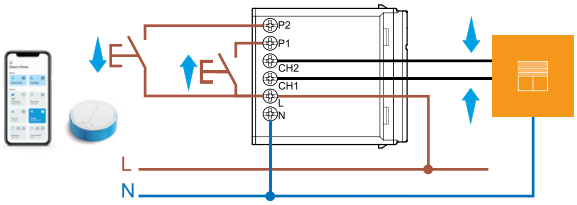




Examples of applications

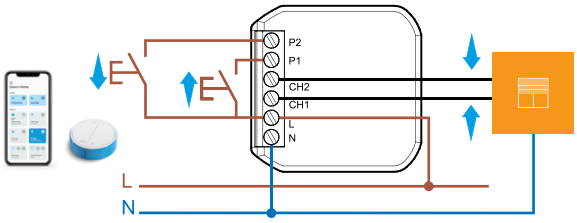
Function TP - Roller Blinds, Shutters and Curtains

Type 13.72



Ch1-P1: up
Ch2-P2: down

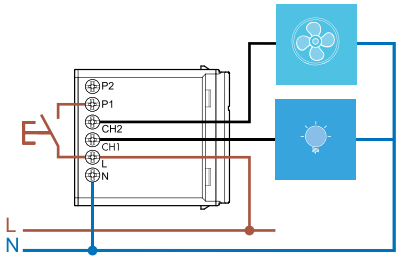
Type 13.S2



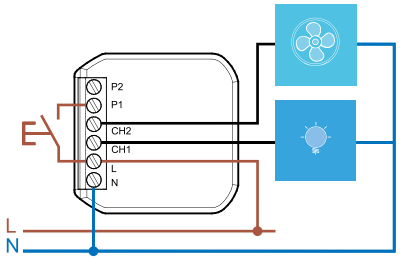
Ch1-P1: up
Ch2-P2: down

Function VB – Bathroom light + fan

Type 13.72

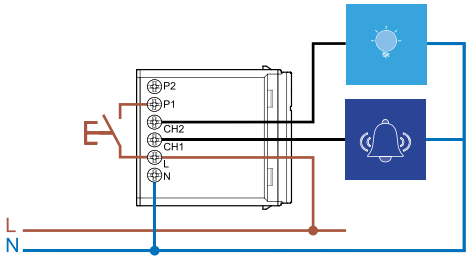


Type 13.22

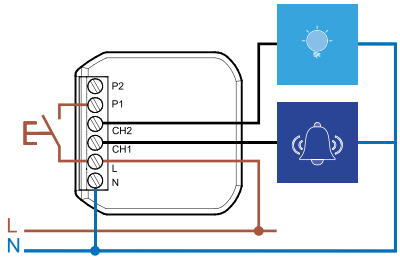


Function CP – Ringbell + Lights

Type 13.72



Type 13.22

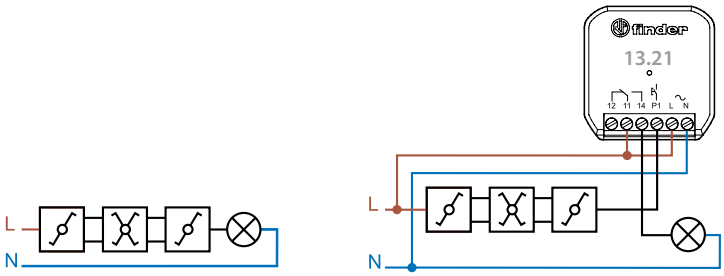


Examples of applications

Type 13.21.8.230.B000 - Special function RIa - Step relay (switch control).
Ideal for converting a traditional lighting system using one, two, or four way switches, into a Smart system.
Any existing system can be made Smart with minimum change or disruption

The smart system can be controlled by: wireless buttons, smartphone and gateway





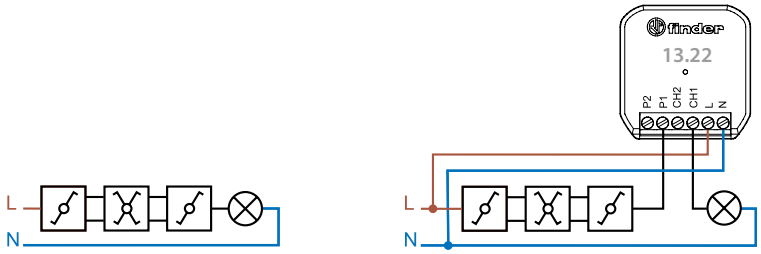
Traditional installation

A Smart installation

Type 13.22 - Special function RIa - Step relay (switch control).
Ideal for converting a traditional lighting system using one, two, or four way switches, into a Smart system.

The Smart system controls with just a momentary push to a wired, YESLY wireless or Smartphone push-button





Traditional installation

A Smart installation

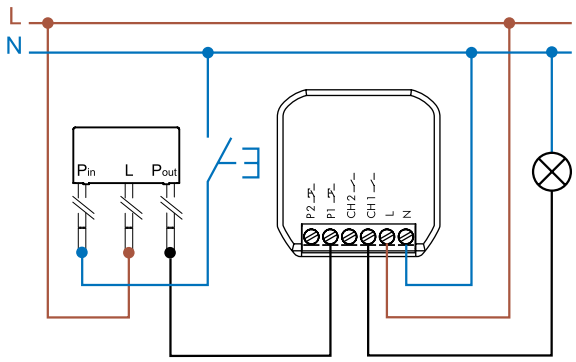
IV-2026, www.findernet.com

Accessories



013.00

Push-button phase/neutral converter. Use this with a pre-existing neutral wired push-button when retro fitting a device designed only for phase connected push-buttons. This avoids any radical change to the existing wiring.	013.00



Application example with type 13.22



013.17

Adapter for DIN rail, to install devices 13.22, 13.21, 13.S2 in the electrical panel.	013.17

