

# Electronic Relays and Actuators: Multi and Single Function



Call and reset switches for bathrooms



Bathroom lighting control



Bedroom light control



Living room light control



Office lighting control



Remote climate control



13 SERIES



# 13.81 - Quiet electronic step relay - Rail mount - 1 Pole

# 13.91 - Quiet electronic step relay and timing step relay Switch box mount - 1 Pole

- Fixed time (10 minutes) timing function selectable (13.91)
- Use with 3 or 4 wire connection, with automatic recognition by the relay
- Control input can be continuously applied
- Longer mechanical and electrical life, and much quieter than electromechanical step relays
- "Zero crossing" load switching
- Can be mounted behind blanking plates, as widely used in residential wiring systems such as; BTicino: Axolute, Matix, Living and Magic, Gewiss: GW24, Vimar: Plana and Idea ... (13.91)
- 35 mm rail (EN 60715) mount (13.81)
- Cadmium free contact material

13.81/91 Screw terminals



#### 13.81



- 1 NO (SPST-NO)
- 35 mm rail (EN 60715) mount
- 17.5 mm wide





- 1 NO (SPST-NO)
- Step relay and timing step relay (10 minutes)
- For mounting within residential switch boxes

For outline drawing see page 19, 20

Contact specification			
Contact configuration		1 NO (SPST-NO)	1 NO (SPST-NO)
Rated current/Maximum peak	current A	16/30 (120 - 5 ms)	10/20 (80 - 5 ms)
Rated voltage/			
Maximum switching voltage	V AC	230/—	230/—
Rated load AC1	VA	3700	2300
Rated load AC15 (230 V AC)	VA	750	450
Nominal lamp rating:			
230 V incand	descent/halogen W	3000	1000
	scent tubes with electronic ballast W	1500	500
	scent tubes with magnetic ballast W	1000	350
	CFL W	600	300
	230 V LED W	600	300
	LV halogen or LED with electronic ballast W		300
	ogen or LED with magnetic ballast W	1500	500
Minimum switching load mW (V/mA)		1000 (10/10)	1000 (10/10)
Standard contact material		AgSnO <sub>2</sub>	AgSnO <sub>2</sub>
Supply specification			
Nominal voltage (U <sub>N</sub> )	V AC (50/60 Hz)	230	230
	V DC	_	_
Rated power	V A (50 Hz)/W	3/1.2	2/1
Operating range	AC (50 Hz)	(0.81.1)U <sub>N</sub>	(0.81.1)U <sub>N</sub>
	DC	_	_
Technical data			
Electrical life at rated load in A	C1 cycles	100 · 10 <sup>3</sup>	100 · 10 <sup>3</sup>
Maximum impulse duration		continuous	continuous
Dielectric strength between: open contacts V AC		1000	1000
sup	ply - contacts V AC	_	_
Ambient temperature range	°C	-10+60	-10+50
Protection category		IP 20	IP 20
Approvals (according to type)		<b>C€</b> K FH[ @	<b>C €</b> 2¼ [A[ @

# 13 SERIES Electronic step/monostable relays 16 A



#### 13.01 - Electronic step/monostable relay Rail mount - 1 Pole

#### 13.61 - Multifunction step/monostable relay with reset command - Rail mount 1 Pole

- Selectable Step or Monostable operation (13.01)
- Multifunction (Step, Timing step, Monostable, Light ON) (13.61)
- Reset feature, for centralized off command (13.61)
- Set feature, for centralized on command (13.61.0.024)
- Control input can be continuously applied
- Longer mechanical and electrical life, and much quieter than electromechanical step relays
- 12...24 V AC/DC and 110...240 V AC supply versions (13.61)
- Suitable for SELV applications and available also for supply 12 and 24 V AC/DC (13.01)
- "Zero-crossing" load switching (13.61)
- 35 mm rail (EN 60715) mount
- Cadmium free contact material

13.01/61 Screw terminals



#### 13.01



- 1 CO (SPDT)
- Step or monostable relay
- According to EN 60601-1 2 x MOOP
- 35 mm rail (EN 60715) mount
- 35 mm wide

#### 13.61.0.024.0000



- 1 CO (SPDT)
- Reset feature, for centralized off command
- Set feature, for centralized on command
- Multifunction:
- step relay
- timing step relay (30s...20min)
- monostable relay
- light on
- 35 mm rail (EN 60715) mount
- 17.5 mm wide

#### 13.61.8.230.0000



- 1 NO (SPST-NO)
- · Reset feature, for centralized off command
- Multifunction:
- step relay
- timing step relay (30s...20min)
- monostable relay
- light on
- 35 mm rail (EN 60715) mount
- 17.5 mm wide

		)
For	outl	ine c

drawing see page 19

Contact specification

Contact specification					
Contact configuration		1 CO (	(SPDT)	1 CO (SPDT)	1 NO (SPST-NO)
Rated current/Maximum peak current A		16/30 (120 A - 5 ms)		16/30 (120 A - 5 ms)	16/30 (120 A - 5 ms)
Rated voltage/					
Maximum switching voltage	V AC		/400	250/400	250/400
Rated load AC1	VA	40	000	4000	4000
Rated load AC15 (230 V AC)	VA	7.	50	750	750
Nominal lamp rating:					
230 V incan	descent/halogen W	20	000	2000	3000
	escent tubes with electronic ballast W	10	000	1000	1500
	escent tubes with	10	,00	1000	1300
	omagnetic ballast W	7:	50	750	1000
	CFLW	40	00	400	600
	230 V LED W	40	00	400	600
	ogen or LED with				
	electronic ballast W	400		400	600
	ogen or LED with omagnetic ballast W	86	00	800	1500
Minimum switching load mW (V/mA)		1000 (	(10/10)	1000 (10/10)	1000 (10/10)
Standard contact material		AgSnO <sub>2</sub>		AgSnO <sub>2</sub>	AgSnO <sub>2</sub>
Supply specification					
Nominal voltage (U <sub>N</sub> )	V AC (50/60 Hz)	110125	230240	_	110240
	V DC/AC (50/60 Hz)	12	24	1224	_
Rated power AC/DC	V A (50/60 Hz)/W	2.5/2.5		1/0.5	3.2/1
Operating range	V AC (50 Hz)	90130	184253	_	90264
	V DC/AC (50 Hz)	10.813.2	20.633.6	10.226.4	_
Technical data					
Electrical life at rated load in A	AC1 cycles	100 · 10³		100 · 10³	100 · 10³
Maximum impulse duration		conti	nuous	continuous	continuous
Dielectric strength between: open contacts V AC		10	000	1000	1000
supply - contacts V AC		4000		2000	2000
Ambient temperature range °C		-10.	+60	-10+60	-10+60
Protection category		IP 20		IP 20	IP 20
Approvals (according to type)	)			C€ FR EHE	

- 13.11 Call & Reset Relay Rail mount 1 Pole
- 13.12 Call & Reset Relay Rail mount 2 Pole

#### 13.31 - Electromechanical monostable relay Switch box mount - 1 Pole

- Call relay with reset command suitable for residential and commercial applications: public bathroom, hospital, hotel (type 13.11/13.12)
- Can be mounted behind blanking plates, as widely used in residential wiring systems such as; BTicino: Axolute, Matix, Living e Magic, Gewiss: GW24, Vimar: Plana e Idea ... (13.31)
- 35 mm rail (EN 60715) or flange mount (13.11 and 13.12)
- Cadmium free contact material (13.31)

13.11/12/31 Screw terminals



#### 13.11



- 1 CO (SPDT)
- Call relay with reset command
- 35 mm rail (EN 60715) mount
- 17.5 mm wide

13.12



- 1 CO (SPDT) + 1 NO (SPST-NO)
- Call relay with reset command
- 35 mm rail (EN 60715) mount

-10...+60

IP 20

**C**€ # EH[

• 17.5 mm wide

13.31



- 1 NO (SPST-NO)
- Interposing monostable relay
- For mounting within residential switch boxes

\* During impulse only. For outline drawing see page 19

#### **Contact specification** 1 CO (SPDT) 1 CO (SPDT) + 1 NO (SPST-NO) 1 NO (SPST-NO) Contact configuration Rated current/Maximum peak current Α 12/30 8/15 12/20 (80 A - 5 ms) Rated voltage/ Maximum switching voltage V AC 250/400 250/400 250/400 Rated load AC1 VA 3000 2000 3000 VA 750 450 Rated load AC15 (230 V AC) 400 Nominal lamp rating: 230 V incandescent/halogen W 1200 800 800 fluorescent tubes with 500 300 400 electronic ballast W fluorescent tubes with electromagnetic ballast W 400 250 300 CFL W 300 200 150 230 V LED W 300 150 200 LV halogen or LED with electronic ballast W 300 150 200 LV halogen or LED with electromagnetic ballast W 500 300 400 Minimum switching load 1000 (10/10) mW (V/mA) 500 (5/5) 300 (5/5) Standard contact material AgCdO AgCdO AgSnO<sub>2</sub> **Supply specification** Nominal voltage (U<sub>N</sub>) V AC (50/60 Hz) 230...240 12 - 24 12 - 230 V DC 12 - 24 24 V A (50 Hz)/W Rated power AC/DC 1.7/0.7\* 3/2.5\* 1/0.4 AC (50 Hz) $(0.8...1.1)U_{N}$ Operating range $(0.8...1.1)U_N$ $(0.8...1.1)U_N$ DC $(0.8...1.1)U_N$ $(0.8...1.1)U_N$ **Technical data** Electrical life at rated load in AC1 $100 \cdot 10^{3}$ 100 · 103 $70 \cdot 10^{3}$ Maximum impulse duration 10 s (100 ms minimum) 10 s (100 ms minimum) continuous 1000 1000 1000 Dielectric strength between: open contacts V AC 2000 supply - contacts V AC 2000 2000

-10...+60

IP 20

Ambient temperature range

Approvals (according to type)

Protection category

-10...+60

IP 20



# 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 pushbuttons (one input per channel)
- Transmission range: approximately 10 m in free space and without obstacles

13.22/S2/72 Screw terminals



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

For outline drawing see page 20



**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 pushbuttons, BEYON and Type 013.B9 wireless buttons







- 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 pushbuttons, BEYON and Type 013.B9 wireless buttons



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 pushbuttons, 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/Maximum peal	k current A	6/40	6/40	6/40
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 (23	80 V AC) W	200	200	200
Nominal lamp rating 230V:				
incar	ndescent/halogen W	200	200	_
fluor	escent tubes with			
	electronic ballast W	200	200	_
	escent tubes with	200	200	
electro	omagnetic ballast W CFL W	200	200	_
	LED 230 V W	200	200	_
IV ha			200	_
LV halogen or LED with electronic ballast W		200	200	_
LV ha	LV halogen or LED with			
electro	omagnetic ballast W	200	200	_
Supply specification				
Nominal voltage (U <sub>N</sub> )	V AC (50/60 Hz)	110230	110230	110230
Normal voltage (O <sub>N</sub> )	V DC	_	_	_
Rated power AC/DC	VA (50 Hz)/W	2 / 0.5	2 / 0.5	2 / 0.5
Operating range	AC (50 Hz)	(0.81.1)U <sub>N</sub>	(0.81.1)U <sub>N</sub>	(0.81.1)U <sub>N</sub>
	DC	_	_	_
Technical data				
Electrical life at rated load in A	Electrical life at rated load in AC1 cycles		60 · 10³	60 ⋅ 10³
Maximum impulse duration		continuous	continuous	continuous
Dielectric strength between:	open contacts VAC	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	<u>=</u> )	CE EK	C€ ĽK	CE EK

XII-2022, www.findernet.com

#### 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
- Pushbutton Phase or Neutral connection

#### Radio frequency remote actuator for BLISS2

#### Type 13.21.8.230.S000

- 868 MHz long-range radio frequency transmission
- Multi-zone heating/cooling function
- Hygrostat function combined with the Bliss2 thermostat
- Compatible with the BLISS2 smart thermostat

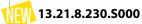
13.21 Screw terminals



# 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





- 1 CO (SPDT) 16 A 250 V AC
- Compatible with Bliss2 smart thermostat
- Heating/cooling systems direct or solenoid control
- It can be used in dehumidification or forced ventilation systems

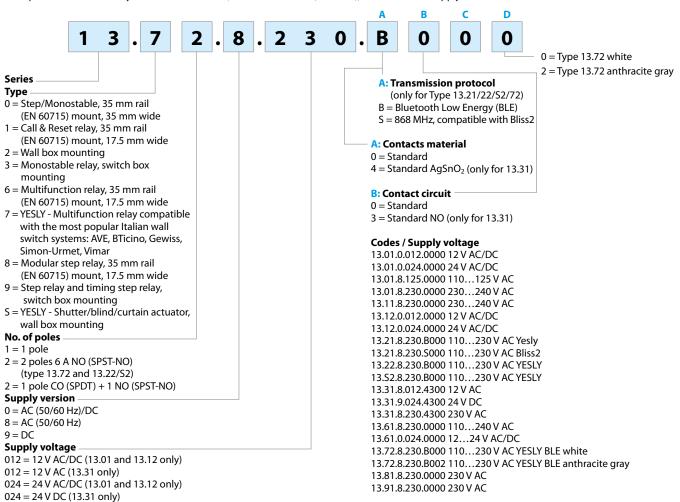
#### For outline drawing see page 20

J 1 .	•		
Contact specification			
Contact configuration		1 CO (SPDT)	1 CO (SPDT)
Rated current	А	16	16
Rated voltage/			
Maximum switching voltag	e V AC	250	250
Rated load AC1	VA	3600	3600
Rated load AC15 (230 V AC)	) VA	600	600
Single phase motor rating (	(230 V AC) W	500	500
Nominal lamp rating 230V:			
inc	andescent/halogen W	1000	_
flu	orescent tubes with		
	electronic ballast W	500	_
	orescent tubes with	350	
elec	ctromagnetic ballast W	350	<del>-</del>
	CFL W	300	<del>-</del>
LED 230 V W		200	<del>-</del>
LV halogen or LED with electronic ballast W		200	_
LV halogen or LED with		200	
	tromagnetic ballast W	500	_
Supply specification			
Name in all colleges (III.)	V AC (50/60 Hz)	110230	110230
Nominal voltage (U <sub>N</sub> )	V DC	_	_
Rated power AC/DC	V A (50 Hz)/W	2.8 / 0.8	2.8 / 0.8
Operating range	AC (50 Hz)	(0.81.1)U <sub>N</sub>	(0.81.1)U <sub>N</sub>
	DC	_	_
Technical data			
Electrical life at rated load i	n AC1 cycles	50 · 10³	50 · 10³
Maximum impulse duration	า	continuous	_
Dielectric strength between	n: open contacts VAC	1000	1000
Ambient temperature rang	e °C	-10+50	-10+50
Protection category		IP 20	IP 20
Approvals (according to ty	rpe)	CE ER	C€ ĽK



#### **Ordering information**

Example: Multifunction relay with YESLY Bluetooth, 2 contacts 6 A NO (SPST-NO), 110...230 V AC supply.



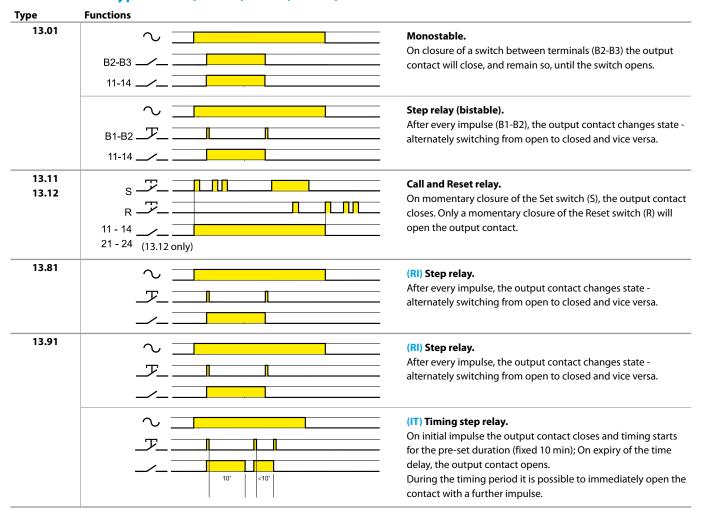
#### **Technical data**

024 = 12...24 V AC/DC (13.61 only) 125 = (110...125)V AC (13.01 only) 230 = (230...240)V AC (13.01 and 13.11) 230 = 110...240 V AC (13.61 only) 230 = 230 V AC (13.31, 13.81 and 13.91) 230 = 110...230 V AC (13.21, 13.22, 13.72, 13.S2)

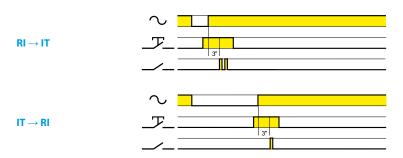
In	sulation		13.01.8	13.01.0	13.11 - 13.12	13.3	1 - 13.61	13.81	13.91		
Di	electric strength										
	between control circuit and supply	V AC	4000	<del>-</del>	<del>-</del>			_			
	between control circuit and contacts	V AC	4000	4000	_	-		_			
	between R-S-A2 and contacts	V AC	_	_	2000	_		_			
	between supply and contacts	V AC	4000	4000	_	2000		_			
,	between open contacts	V AC	1000	1000	1000	1000		1000			
Ot	ther data		13	.01	13.11 - 13.12	13.3	1 13.61	13.81	13.91	13.21	13.22 13.52 13.72
Pc	ower lost to the environment										
	without contact current	W	2	2	_	0.4	1	1.2	0.7	0.4	0.5
	with rated current	W	3	.5	1.5	1.6	1.8	2	1.8	2.2	1.5
M	ax cable length for pushbutton connect	ion m	1	00	100	_	200	200	100	100	100
M	ax. no. of illuminated pushbutton	(≤1mA)	_	_	_	_	10*	15	12	_	5
Te	rminals	s 1		.01	13.11 - 13.12 - 13.31 - 13.61 - 13.72 - 13.81 - 13.91		13.21 - 13.22 - 13.52		2		
M	ax. wire size		solid cable	stranded cable	solid cable	s	tranded cable	solid c	able	str	anded cable
		mm <sup>2</sup>	1x6/2x4	1 x 6 / 2 x 2.5	1x6/2x4	1	x 4 / 2 x 2.5	1 x 2.5	/ 2 x 1.5	1 x	2.5 / 2 x 1
		AWG	1 x 10 / 2 x 12	1 x 10 / 2 x 14	1 x 10 / 2 x 12	1	x 12 / 2 x 14	1 x 14	2 x 16	1 x	14/2x16
4	Screw torque	Nm	0.8		0.8			0.5			

<sup>\*</sup> For 8.230 version.

## Functions for types 13.01, 13.11, 13.12, 13.81, 13.91



#### **Operating mode setup for type 13.91**

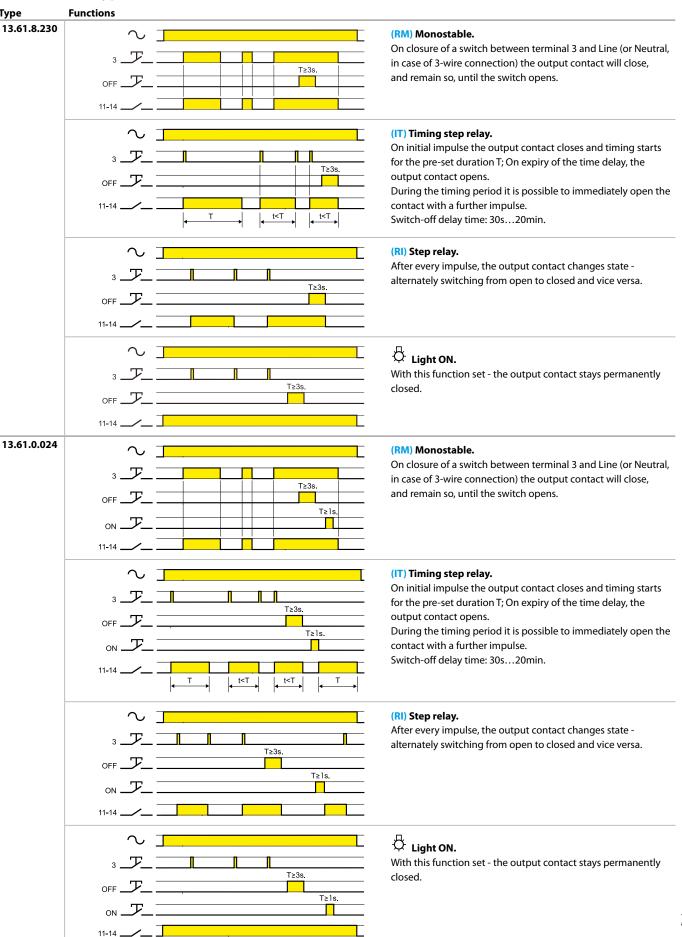


- a) Remove the supply voltage
- b) Press the control button
- c) Apply the supply to the relay, keeping the button closed. After 3 second, the light will flash twice to indicate the selection of the "IT" function, or flash once for "RI" function.





#### **Functions for type 13.61**

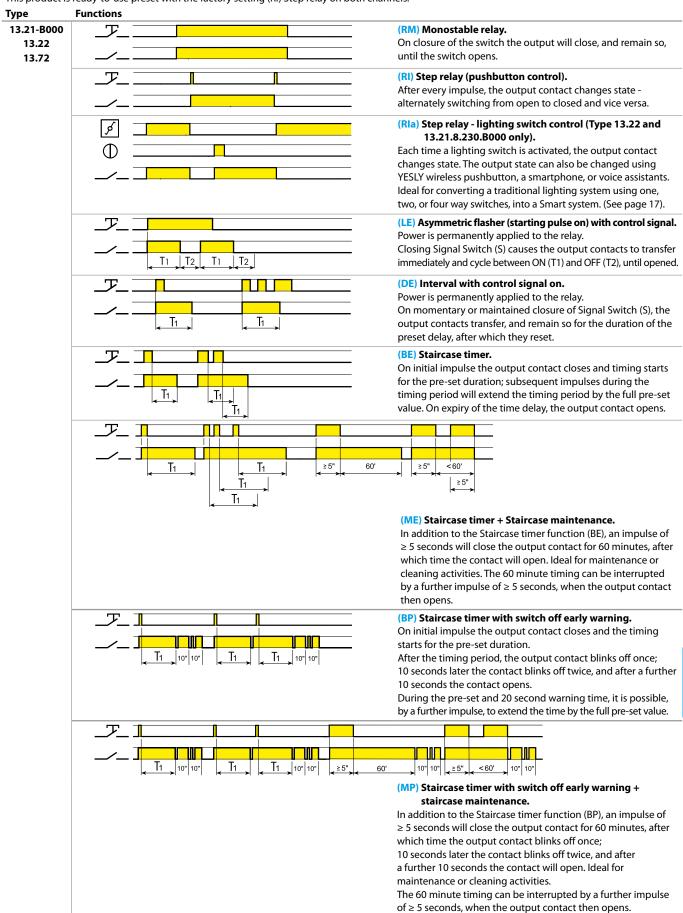




#### Functions for type 13.22, 13.72 and 13.21.8.230.B000

#### **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.





## Functions for type 13.22, 13.72, 13.21.8.230.B000 and 13.S2

Туре	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.		
	T1 10" 10" 10" 10" 10"	(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.		
	<b>T</b> t <t₁ t<t₁="" td="" t₁="" t₁<=""><td>(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.</td></t₁>	(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	P1	(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.		
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	(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.		
13.52 13.72	P1	(TP) Roller shutter.  A short press (<1 second) to P1 ("up" pushbutton) 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 oper immediately P1 opens.  The same operation applies to P2 and Ch2 contact, used to control the "down" function.		

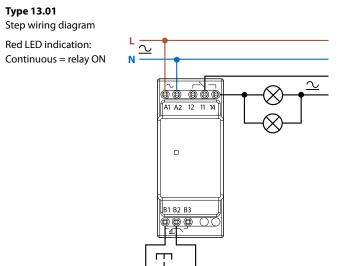
## **Sequences**

P1 (SET): press to advance through the sequence

P2 (RESET): press to return to Step 1

Tuma	Functions		Sequences				
Туре	runcuons	1	2	3	4		
13.22 13.72	02	11	<b> </b>				
	03	14	[-]				
	04	11	<b>}</b>	17	H		
	05	11	T.L	<u> </u>	77		
	06	11	11	77			
	07	11	44	   			
	08	11	۲\ ۲\	11	14		

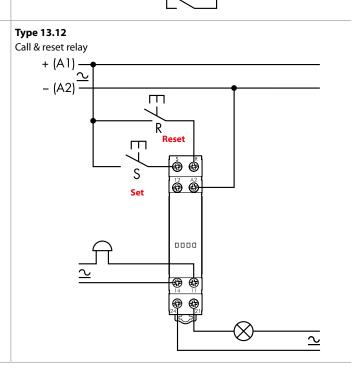
## Wiring diagrams (13.01, 13.11, 13.12 and 13.31)



Type 13.01 Monostable wiring diagram Red LED indication: Continuous = relay ON (A1 A2 12 11 14) B1 B2 B3

finder

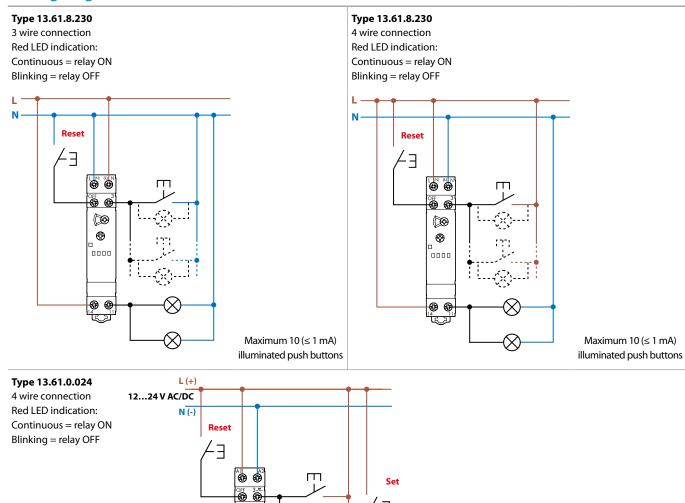
Type 13.11 Call & reset relay  $\Box$ • • S **\*** Set 0000

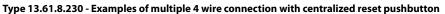


Type 13.31 Connection 



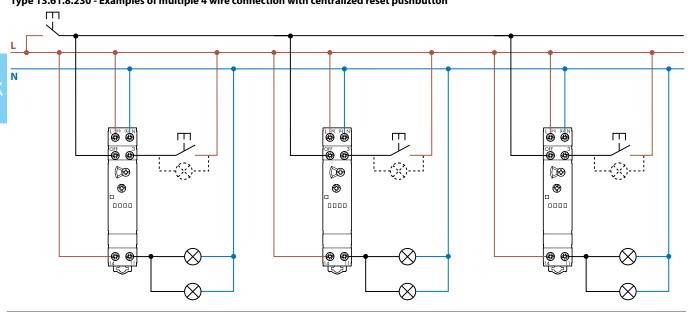
#### Wiring diagrams (13.61)





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**\*\*\*** 



### Wiring diagrams (13.81, 13.91 and 13.21.8.230.B000)

# Type 13.81 3 wire connection Red LED indication: a Continuous = relay ON Blinking = relay OFF **(** 0000 **(4) (4)**

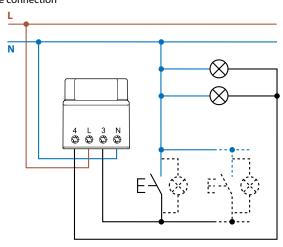
Maximum 15 (≤ 1 mA) illuminated push buttons

# 4 wire connection Red LED indication: Continuous = relay ON Blinking = relay OFF N **® (** 0000 **(D)**

Type 13.81

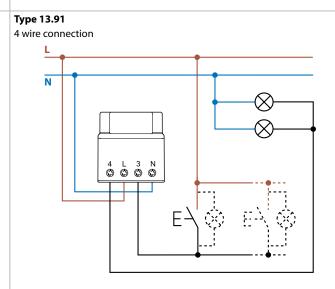
Maximum 15 (≤ 1 mA) illuminated push buttons

Type 13.91 3 wire connection



Maximum 12 (≤ 1 mA) illuminated push buttons

LOAD



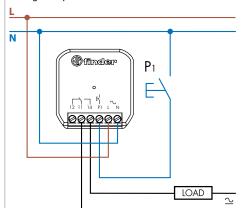
Maximum 12 (≤ 1 mA) illuminated push buttons

Type 13.21.8.230.B000 Wiring with pushbutton to phase

N (Finder Pı 12 11 14 PI 000000

Type 13.21.8.230.B000

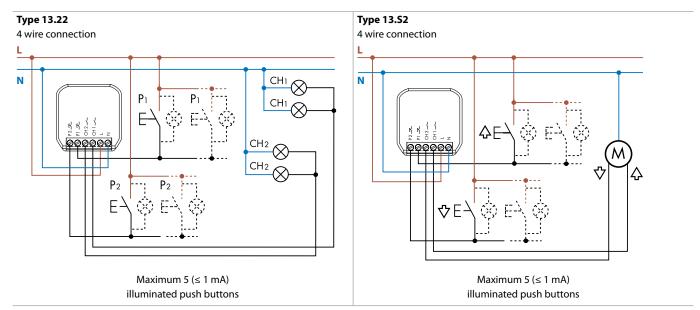
Wiring with pushbutton to neutral



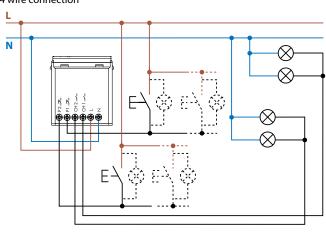
Note: If the load is powered by a phase other than the one that powers the 13.21, a 50% reduction in the lamp capacity must be considered (set the "Different phase" function from the Finder YOU app).



## Wiring diagrams (13.21.8.230.S000, 13.22, 13.S2 and 13.72)



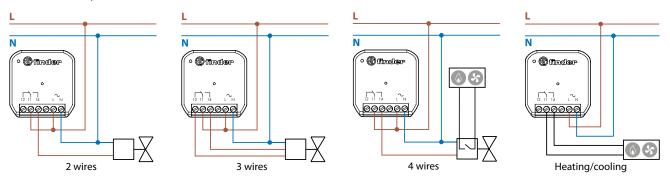
**Type 13.72** 4 wire connection



Maximum 5 (≤ 1 mA) illuminated push buttons

#### Type 13.21.8.230.S000

Solenoid valve with 2, 3 and 4 wires or direct connection

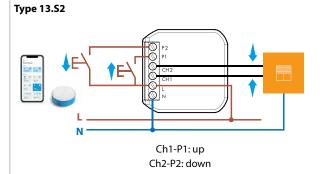


Example of connection with a 230 V AC solenoid valve, always refer to the technical characteristics of the solenoid valve.

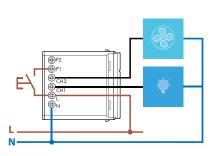
## **Examples of applications**

**Function TP - Roller Blinds, Shutters and Curtains** 

Type 13.72



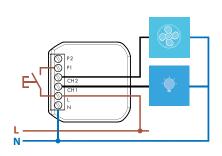
Type 13.72



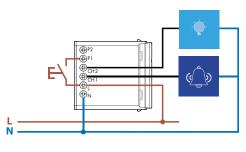
Ch1-P1: up

Ch2-P2: down

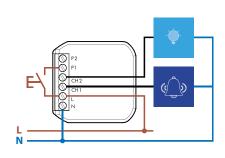
Function VB - Bathroom light + fan Type 13.22



Type 13.72



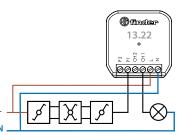
Function CP – Ringbell + Lights Type 13.22

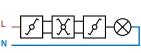


Type 13.22 - Special function Rla - Step relay (switch control).  $Ideal\,for\,converting\,a\,traditional\,lighting\,system\,using\,one, two, or\,four\,way\,switches, into\,a\,Smart\,system.$ 

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







Traditional installation

A Smart installation

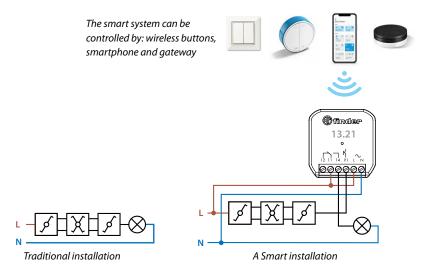


## **Examples of applications**

Type 13.21.8.230 - 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.

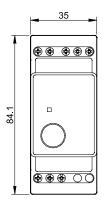
Any existing system can be made Smart with minimum change or disruption

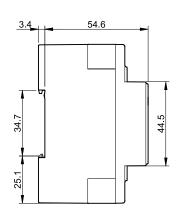


# **Outline drawings**

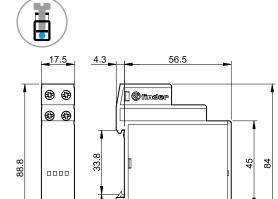
Type 13.01 Screw terminal







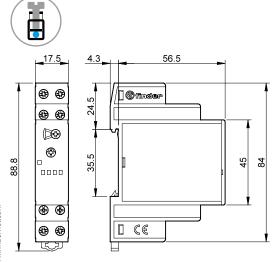
Type 13.12 Screw terminal



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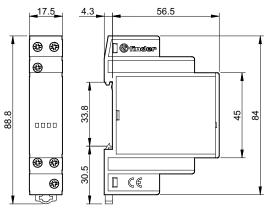
Type 13.61.0.024.0000 Screw terminal

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Type 13.11 Screw terminal

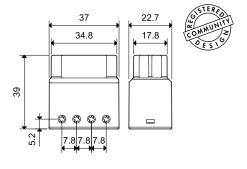




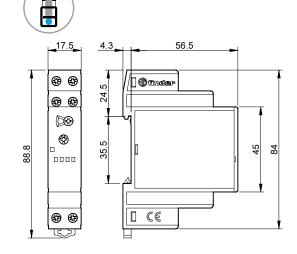
finder

Types 13.31/13.91 Screw terminal





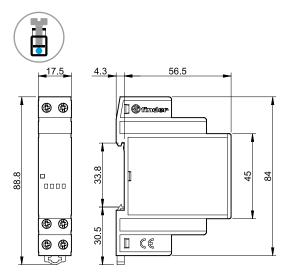
Type 13.61.8.230.0000 Screw terminal



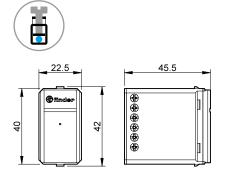


# **Outline drawings**

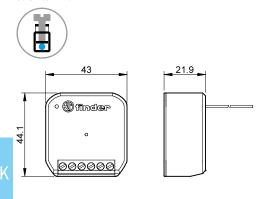
Type 13.81 Screw terminal



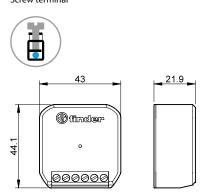
Type 13.72 Screw terminal



Type 13.21.8.230.S000 Screw terminal



Type 13.21 / 13.22 / 13.52 Screw terminal



## **Accessories**



Adaptor for panel mounting, for type 13.01, 35 mm wide	011.01
Aduptor for pariet mounting, for type 15.01, 55 mm wide	011.01



**Adaptor for panel mounting,** for type 13.11, 13.12, 13.61 and 13.81, 17.5 mm wide 020.01

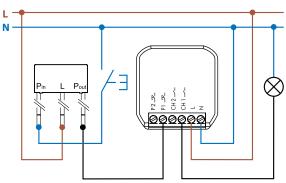


Sheet of marker tags (CEMBRE Thermal transfer printers) for relays types 13.11, 13.12, 13.61 and 13.81 (48 tags), 6 x 12 mm 060.48



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





Application example with type 13.22



Adapter for DIN rail, to install devices 13.22, 13.21, 13.52 in the electrical panel.

013.17

