

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

. or outilite aratting see page	. > / = 0		
Contact specification			
Contact configuration		1 NO (SPST-NO)	1 NO (SPST-NO)
Rated current/Maximum peal	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 incar	ndescent/halogen W	3000	1000
fluor	escent tubes with electronic ballast W	1500	500
	escent tubes with omagnetic ballast W	1000	350
	CFL W	600	300
	230 V LED W	600	300
LV ha	LV halogen or LED with electronic ballast W		300
	logen or LED with omagnetic ballast W	1500	500
Minimum switching load			1000 (10/10)
Standard contact material		AgSnO₂	AgSnO ₂
Supply specification			
Nominal voltage (U _N)	V AC (50/60 Hz)	230	230
	V DC	_	_
Rated power	VA (50 Hz)/W	3/1.2	2/1
Operating range	AC (50 Hz)	(0.81.1)U _N	(0.81.1)U _N
	DC	_	_
Technical data			
Electrical life at rated load in AC1 cycles		100 · 10 ³	100 · 10 ³
Maximum impulse duration		continuous	continuous
Dielectric strength between:	open contacts V AC	1000	1000
su	pply - contacts V AC	_	_
Ambient temperature range	°C	-10+60	-10+50
Protection category		IP 20	IP 20
Approvals (according to type)		C€ K FAL ®	C €

13 SERIES Electronic step/monostable relays 16 A



- 13.01 Electronic step Bistable or monostable relay
- 13.61 Electronic step **Multifunction step relay** Reset feature (13.61.8.230.0000) Set and Reset feature (13.61.0.024.0000)
- Control input can be continuously applied
- Longer mechanical and electrical life, and much quieter than electromechanical step relays
- 35 mm rail (EN 60715) mount
- Cadmium free contact material
- Selectable Step or Monostable operation (13.01)
- Suitable for SELV applications and available also for supply 12 and 24 V AC/DC (13.01)
- Multifunction: Step, Timing step, Monostable, Light ON (13.61)
- 12...24 V AC/DC and 110...240 V AC supply versions (13.61)
- · Reset feature, for centralized off command (13.61.8.230.0000)
- Set feature, for centralized on command Reset feature, for centralized off command (13.61.0.024.0000)
- "Zero-crossing" load switching (13.61)

13.01/61

Screw terminals



* With DC Bistable function: (12...13.2)V DC

For outline drawing see page 19

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

		' · ·					
	Contact specification						
	Contact configuration		1 CO (SPDT)	1 CO (SPDT)	1 NO (SPST-NO)	
	Rated current/Maximum pe	ak 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		250,		250/400	250/400	
-	Rated load AC1	VA		00	4000	4000	
-	Rated load AC15 (230 V AC)	VA	75	50	750	750	
	Nominal lamp rating:						
		andescent/halogen W	20	00	2000	3000	
	fluo	orescent tubes with electronic ballast W	10	00	1000	1500	
		orescent tubes with					
	elect	tromagnetic ballast W		50	750	1000	
		CFL W		00	400	600	
		230 V LED W	40	00	400	600	
		nalogen or LED with electronic ballast W	40	00	400	600	
		nalogen or LED with					
		tromagnetic ballast W	800		800	1500	
-	Minimum switching load	mW (V/mA)	1000 (10/10)		1000 (10/10)	1000 (10/10)	
	Standard contact material		AgSnO ₂		AgSnO ₂	AgSnO ₂	
	Supply specification	\\ A.G. (=0 (50 LL)				440 040	
	Nominal voltage (U _N)	V AC (50/60 Hz)	110125	230240	_	110240	
-		V DC/AC (50/60 Hz)	12	24	1224	_	
-	Rated power AC/DC	VA (50/60 Hz)/W	2.5/		1/0.5	3.2/1	
	Operating range	V AC (50/60 Hz)	90130	184253	_	90264	
		V DC/AC (50/60 Hz)	10.8*13.2	20.633.6	10.226.4	_	
	Technical data						
-	Electrical life at rated load in AC1 cycles Maximum impulse duration Dielectric strength between: open contacts V AC supply - contacts V AC		100	· 10³	100 · 10³	100 · 10³	
-			contir	nuous	continuous	continuous	
			10	00	1000	1000	
			40	00	2000	2000	
	Ambient temperature range	e °C	-10	+60	-10+60	-10+60	
	Protection category		IP	20	IP 20	IP 20	
	Approvals (according to type	C€ Ł¥ EHI					

-2023, www.findernet.com

- 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

13.11/12/31 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

• 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

For outline drawing see page	19			
Contact specification				
Contact configuration		1 CO (SPDT)	1 CO (SPDT) + 1 NO (SPST-NO)	1 NO (SPST-NO)
Rated current/Maximum peak	current A	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
Rated load AC15 (230 V AC)	VA	750	400	450
Nominal lamp rating:				
230 V incan	descent/halogen W		_	800
	escent tubes with electronic ballast W	_	_	400
	escent tubes with omagnetic ballast W	_	_	300
	CFL W	_	_	200
	230 V LED W	_	_	200
	ogen or LED with electronic ballast W	_	_	200
	ogen or LED with omagnetic ballast W	_	_	400
Minimum switching load	mW (V/mA)	500 (5/5)	300 (5/5)	1000 (10/10)
Standard contact material		AgNi	AgNi	$AgSnO_2$
Supply specification				
Nominal voltage (U _N)	V AC (50/60 Hz)	230240	12 - 24	12 - 230
	V DC	_	12 - 24	24
Rated power AC/DC	VA (50 Hz)/W	1.7/0.7*	3/2.5*	1/0.4
Operating range	AC (50 Hz)	(0.81.1)U _N	(0.81.1)U _N	(0.81.1)U _N
	DC	_	(0.81.1)U _N	(0.81.1)U _N
Technical data				
Electrical life at rated load in AC1 cycles		100 · 10³	100 · 10³	70 · 10³
Maximum impulse duration		10 s (100 ms minimum)	10 s (100 ms minimum)	continuous
Dielectric strength between:	open contacts V AC	1000	1000	1000
su	pply - contacts V AC	2000	2000	2000
Ambient temperature range	°C	-10+60	-10+60	-10+60
Protection category		IP 20	IP 20	IP 20
	-			

Approvals (according to type)



Multi and Single function electronic relays with Bluetooth

13.22 - Electronic multifunction relay 2 Pole

- Round wall box (ie: 0 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: 0 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

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 pushbuttons, BEYON and Type 013.B9 wireless buttons

13.72



- 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 peak 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 (230 V	/ AC) W	200	200	200
Nominal lamp rating 230V:				
incande	escent/halogen W	200	200	_
ele	ent tubes with ectronic ballast W	200	200	_
	ent tubes with agnetic ballast W	200	200	_
	CFL W	200	200	_
	LED 230 V W	200	200	_
	LV halogen or LED with electronic ballast W		200	_
	gen or LED with pagnetic ballast W	200	200	_
Supply specification				
Nominal voltage (U _N) —	V AC (50/60 Hz)	110230	110230	110230
Norminal voltage (O _N)	V DC	<u> </u>	_	_
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 _N	(0.81.1)U _N	(0.81.1)U _N
	DC	_	_	_
Technical data				
Electrical life at rated load in AC1 cycles		60 · 10³	60 · 10³	60 · 10³
Maximum impulse duration	Maximum impulse duration		continuous	continuous
Dielectric strength between: ope	en 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)		C €	CE CA	(€ th ®

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Bluetooth single channel multifunction relay

Type 13.21.8.230.B000

- BLE communication protocol
- Round wall box (ie: 0 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

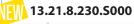
13.21 Screw terminals



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 16

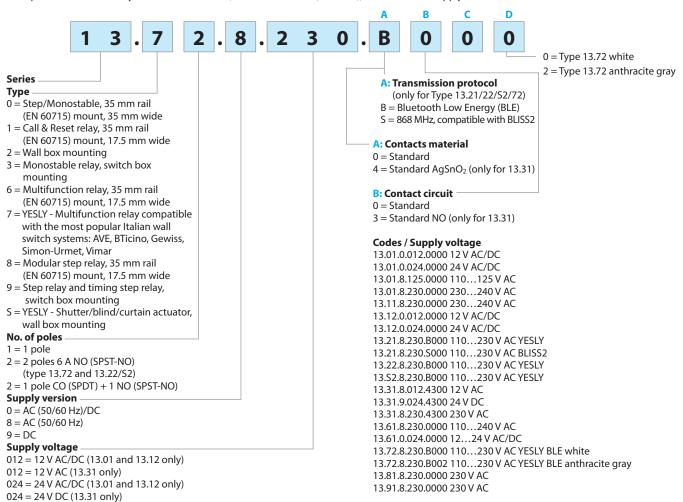
Contact specification

Contact specification			
Contact configuration		1 CO (SPDT)	1 CO (SPDT)
Rated current	Α	16	16
Rated voltage/			
Maximum switching voltage	V AC	250	250
Rated load AC1	VA	3600	3600
Rated load AC15 (230 V AC)	VA	600	600
Single phase motor rating (23	30 V AC) W	500	500
Nominal lamp rating 230V:			
inca	ndescent/halogen W	1000	_
fluoi	rescent tubes with electronic ballast W	500	_
	rescent tubes with		
electr	omagnetic ballast W	350	<u> </u>
	CFL W	300	-
	LED 230 V W	200	_
LV halogen or LED with electronic ballast W		200	_
	llogen or LED with omagnetic ballast W	500	_
Supply specification			
Name in all coltants (III.)	V AC (50/60 Hz)	110230	110230
Nominal voltage (U _N)	V DC	_	_
Rated power AC/DC	VA (50 Hz)/W	2.8 / 0.8	2.8 / 0.8
Operating range	AC (50 Hz)	(0.81.1)U _N	(0.81.1)U _N
	DC	_	_
Technical data			
Electrical life at rated load in	AC1 cycles	50 · 10³	50 · 10³
Maximum impulse duration		continuous	_
Dielectric strength between: open contacts VAC		1000	1000
Ambient temperature range	°C	-10+50	-10+50
Protection category		IP 20	IP 20
Approvals (according to type	e)	CE EK ®	C€ EK



Ordering information

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



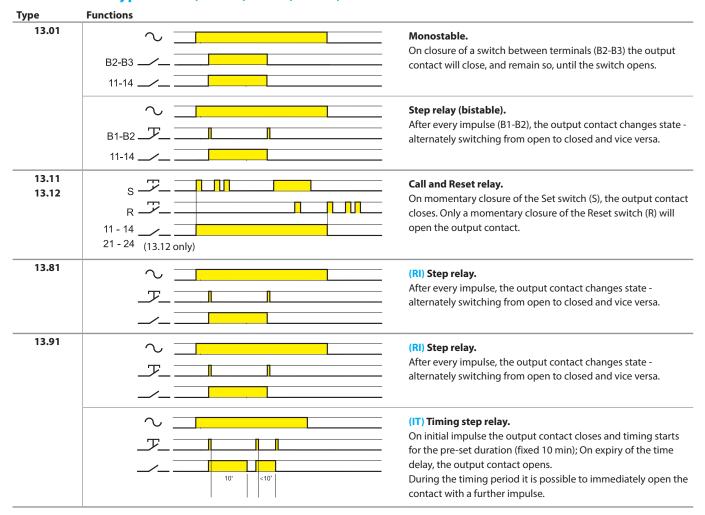
Technical data

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)

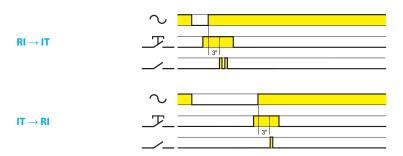
Ins	ulation		13.01.8	13.01.0	13.11 - 13.12	13.3	1 - 13.61	13.81	- 13.91		
Die	electric strength										
	between control circuit and supply	V AC	4000	_	_	_		_			
	between control circuit and contacts	V AC	4000	4000	_			_			
	between R-S-A2 and contacts	V AC	_	_	2000	_		_			
	between supply and contacts	V AC	4000	4000	_	2000		_			
	between open contacts	V AC	1000	1000	1000	1000		1000			
Ot	her data		13	.01	13.11 - 13.12	13.3	1 13.61	13.81	13.91	13.21	13.22 13.52 13.72
Pov	wer lost to the environment										
	without contact current	W	2	2.2	_	0.4	1	1.2	0.7	0.4	0.5
	with rated current	W	3	3.5	1.5	1.6	1.8	2	1.8	2.2	1.5
Ma	x cable length for pushbutton connection	on m	1	00	100	_	200	200	100	100	100
Ma	x. no. of illuminated pushbutton (:	≤1mA)	-	_	_	-	10*	15	12	_	5
Tei	rminals		13	.01	13.11 - 13.12 - 13.72 - 13.81 -			13.21	- 13.22 -	13.S2	2
Ма	x. wire size		solid cable	stranded cable	solid cable	s	tranded cable	solid c	able	stra	anded cable
		mm^2	1x6/2x4	1 x 6 / 2 x 2.5	1 x 6 / 2 x 4	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 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
	Screw torque	Nm	0.8		0.8			0.5			

^{*} For 8.230 version.

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



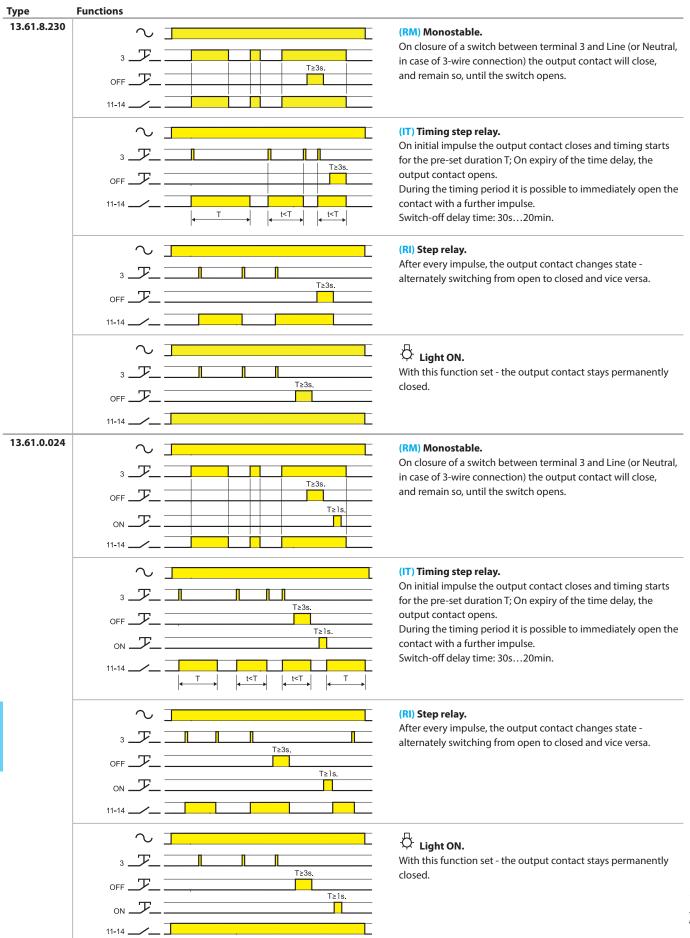
Operating mode setup for type 13.91



- 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

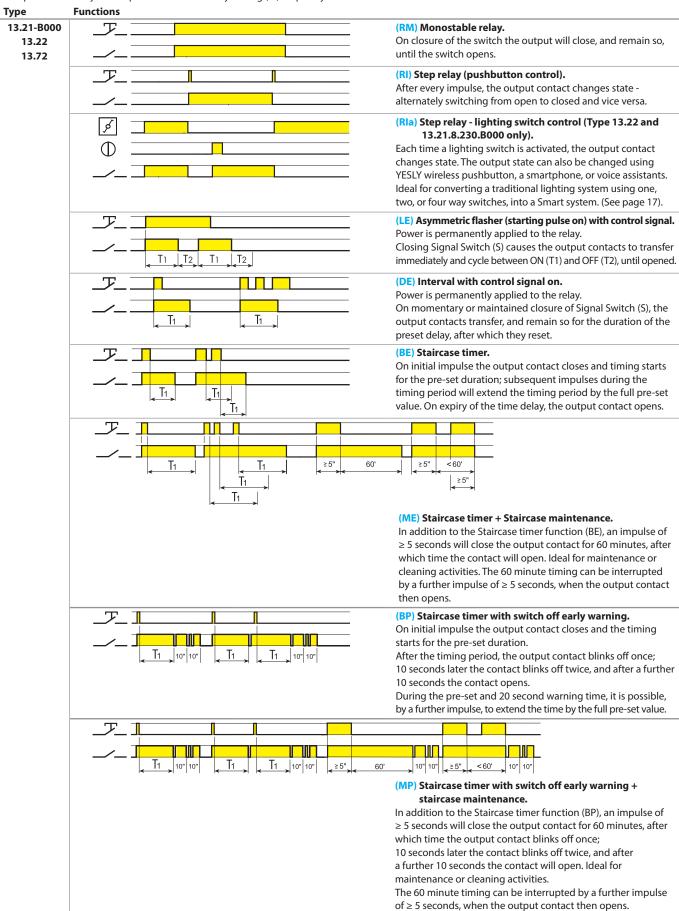




Functions for type 13.22, 13.72 and 13.21.8.230.B000

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° T1 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.
	T	(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.

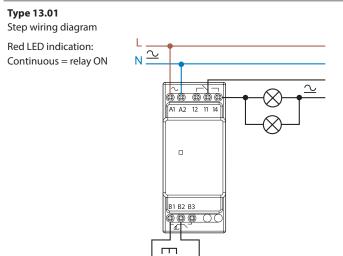
Sequences

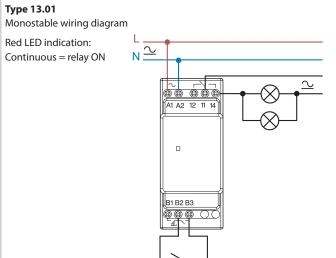
P1 (SET): press to advance through the sequence

P2 (RESET): press to return to Step 1

Turns	Functions	Sequences					
Туре	runctions	1	2	3	4		
13.22 13.72	02	11	 				
	03	14	<u>L</u> 1				
	04	11	77	14	H		
	05	11	TL	4	77		
	06	11	11	77			
	07	11	44	<u> </u>			
	08	11	۲\ ۲\	11	14		

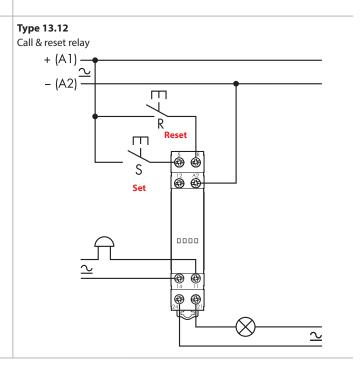
Wiring diagrams (13.01, 13.11, 13.12 and 13.31)





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

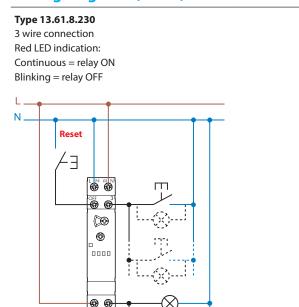


Connection

Type 13.31



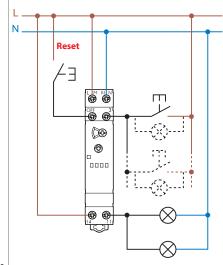
Wiring diagrams (13.61)



Maximum 10 (≤ 1 mA) illuminated push buttons

Type 13.61.8.230

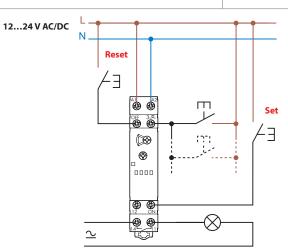
4 wire connection Red LED indication: Continuous = relay ON Blinking = relay OFF



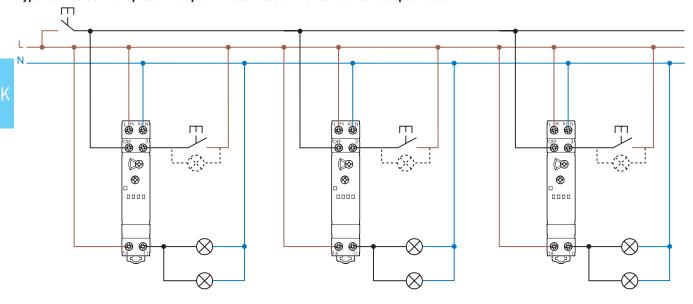
Maximum 10 (≤ 1 mA) illuminated push buttons

Type 13.61.0.024 4 wire connection

Red LED indication: Continuous = relay ON Blinking = relay OFF

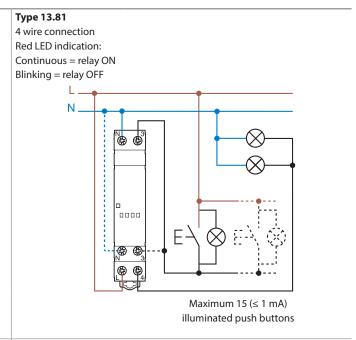


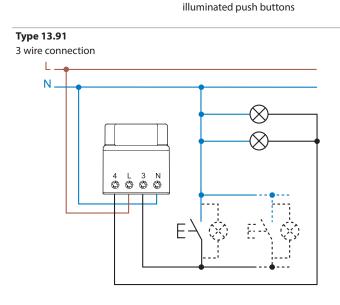
Type 13.61.8.230 - Examples of multiple 4 wire connection with centralized reset pushbutton

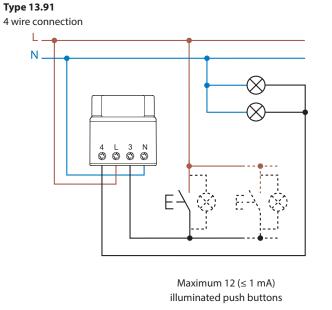


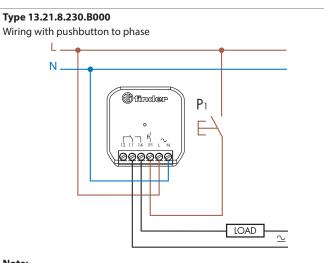
Wiring diagrams (13.81, 13.91 and 13.21.8.230.B000)

Type 13.81 3 wire connection Red LED indication: a Continuous = relay ON Blinking = relay OFF N 0000 **®** Maximum 15 (≤ 1 mA)



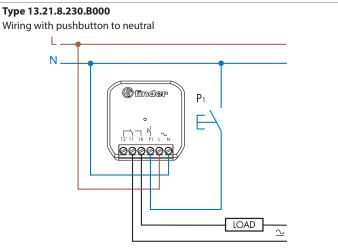






Maximum 12 (≤ 1 mA)

illuminated push buttons

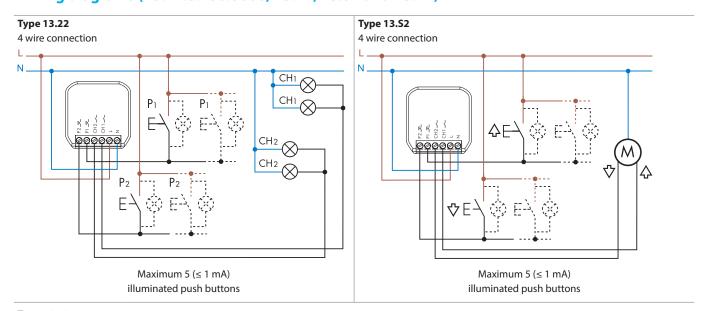


Note:

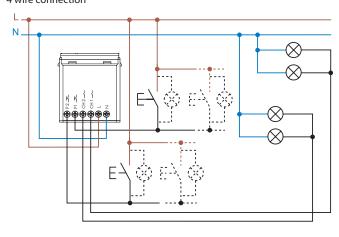
• If the load is powered by a phase other than the one that powers the 13.21, a 50% reduction in the lamp capacity must be considered (set the "Different phase" function from the Finder YOU app).



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



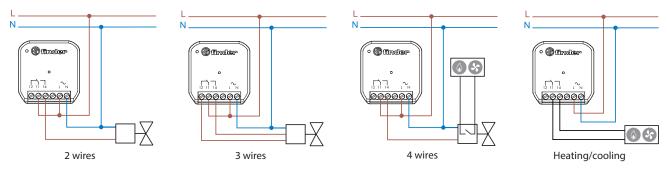
Type 13.72 4 wire connection



Maximum 5 (≤ 1 mA) illuminated push buttons

Type 13.21.8.230.S000

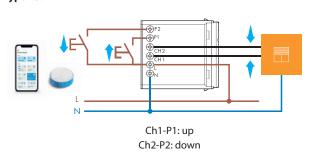
Solenoid valve with 2, 3 and 4 wires or direct connection

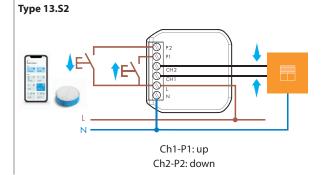


Example of connection with a 230 V AC solenoid valve, always refer to the technical characteristics of the solenoid valve.

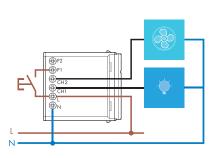
Function TP - Roller Blinds, Shutters and Curtains

Type 13.72



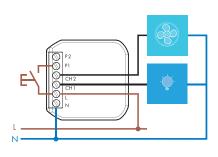


Type 13.72

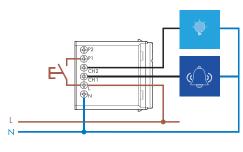


Function VB - Bathroom light + fan



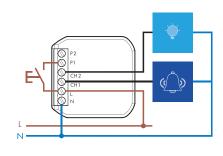


Type 13.72



Function CP – Ringbell + Lights

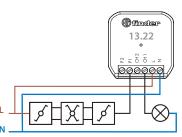
Type 13.22

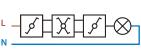


Type 13.22 - Special function Rla - Step relay (switch control). Ideal for converting a traditional lighting system using one, two, or four way switches, into a Smart system.

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







Traditional installation

A Smart installation

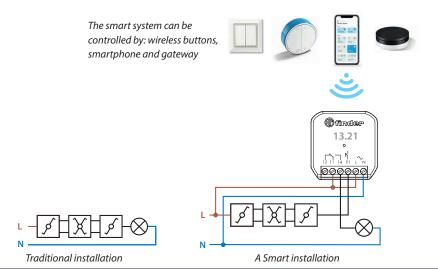


Examples of applications

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.

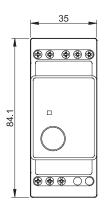
Any existing system can be made Smart with minimum change or disruption

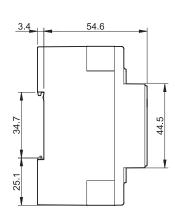


Outline drawings

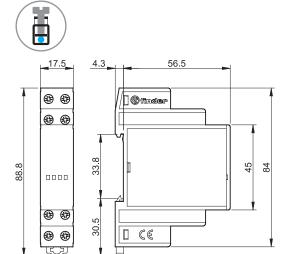
Type 13.01 Screw terminal



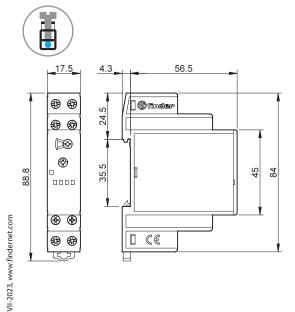




Type 13.12 Screw terminal

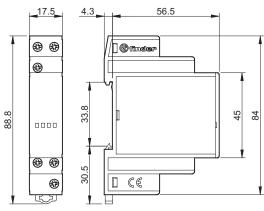


Type 13.61.0.024.0000 Screw terminal



Type 13.11 Screw terminal

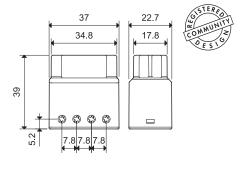




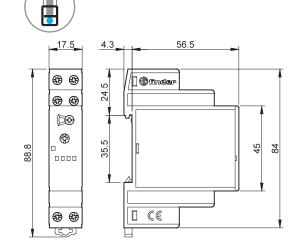
finder

Types 13.31/13.91 Screw terminal





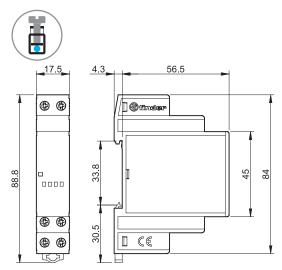
Type 13.61.8.230.0000 Screw terminal



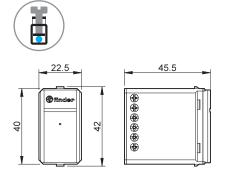


Outline drawings

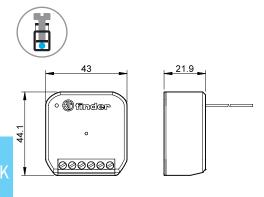
Type 13.81 Screw terminal



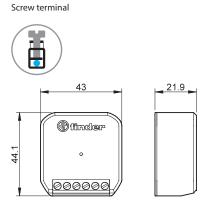
Type 13.72 Screw terminal



Type 13.21.8.230.S000 Screw terminal



Type 13.21 / 13.22 / 13.S2



020.01

013.17

Accessories



Adaptor for panel mounting, for type 13.01, 35 mm wide	011.01
Adaptor for panel modificing, for type 15.01, 55 min wide	011.01



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



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



N. 000000

Application example with type 13.22



52.8

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

