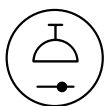
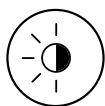


LIGHTING

Lighting management



ABOUT US



Finder was founded in Italy in 1954. Since then it has been designing and manufacturing a wide range of electromechanical and electronic components for both the residential and industrial sectors.

Today, thanks to its global vision, Finder now distributes its products around the world through a network of 29 company-owned subsidiaries and more than 80 trade partnerships.

Finder is an international family made up of more than 2000 individuals, all united by the same values and passion for our products.



14,000+ different products to satisfy a myriad of applications. From products at the heart of automation to the control of machines, power, time, temperature, liquid level and light

OUR PRODUCTS CARRY MORE CERTIFICATIONS THAN ANY OTHER RELAY MANUFACTURER



FINDER IS AN ITALIAN BRAND WITH A WORLDWIDE PRESENCE

4 PRODUCTION PLANTS IN EUROPE

29 SUBSIDIARIES

80+ OFFICIAL DISTRIBUTORS



ENVIRONMENTAL, SOCIAL AND GOVERNANCE (ESG)

Finder considers social and environmental sustainability as fundamental principles of doing business, just as it believes that business growth must develop in synergy with a conscious vision of the future.

That is why Finder is committed to reducing and eliminating CO2 emissions, focusing on circularity, caring for its employees to foster a safe, fair and inclusive work environment, spreading a culture of integrity and transparency, and collaborating with stakeholders who share its values.

AUTONOMY AND INDEPENDENCE

Finder's managerial, financial and technological autonomy allows optimal control over all its business processes, the results of which include simplified customs procedures and a high reliability of commercial relations.



ISO 9001:2015
Quality management system



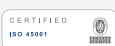
IECEx
Equipment for Use in Explosive Atmospheres



ISO 14001:2015
Environmental management system



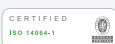
ISO 27001-27701
Information Security and Privacy Management System



ISO 45001:2018
Health and safety management system



ISO 50001:2018
Energy management system



ISO 14064-1:2019
Carbon Footprint verification



AEOF
Simplified customs and enhanced supply chain security



FSC
Forest Stewardship Council



Cribis Prime Company
Recognition of highest reliability of commercial relations

**FINDER: AN ITALIAN BRAND WITH A
WORLDWIDE PRESENCE**

Helping businesses and professionals
in lighting management for 70 years.

LIGHT UP YOUR LIFE WITH FINDER

Managing your lighting with
Finder products means a more
restful and comfortable environment,
a more effective working space and a
more efficient use of electricity.

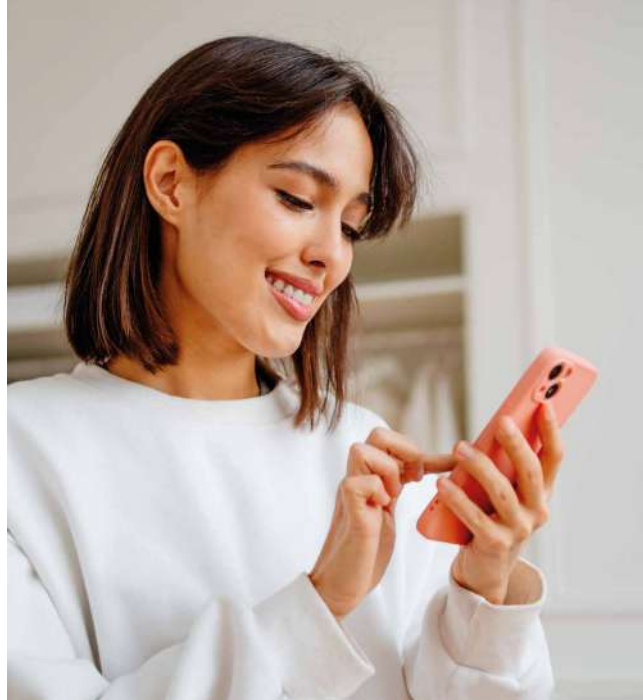
Contents

YESLY - Comfort living system	2
1L Series - LUMOS emergency light	8
10 Series - Light dependent relays for pole or wall mounting	10
11 Series - Modular light dependent relays with external light sensor	11
12 Series - Time switches	12
13 Series- Electronic step relays	16
14 Series- Modular electronic staircase timers	18
15 Series - Dimmers	20
18 Series - Movement and presence detectors	24
20 - 26 - 27 Series - Electromechanical step relays	28
22 Series - Modular contactors	30
78 Series - Switch mode power supply	31

FINDER YESLY is the system we have designed to control lighting, electric shutters and many other devices in your home using your smartphone, via wireless buttons or voice commands.

Install YESLY products in one or more rooms, according to your needs, to make your home smarter - a little at a time.

And for people who like to be always connected, devices can even be controlled remotely via the app, or using voice command via the Google Assistant and Amazon Alexa.



EASY



MADE IN ITALY



CONNECTED



USER FRIENDLY



SECURE



Make your home smarter in a few simple steps



Start by
controlling a LED
room light with
your smartphone



Add a wireless button
to the ceiling light
in the kitchen



home security
with centralized
shutter control via your
smartphone or central
push-button



Control your system wherever
you are or via voice command
with the Google Assistant and
Amazon Alexa*

*Only with YESLY Gateway





One APP for your smart home

With **Finder YOU** each member of the family can control the lights and electric shutters from their smartphone, calling up customized SCENARIOS.

Ideal for creating the most suitable ambiance at any time of day, and easily managing your smart home, even remotely.



CONTROL CURTAINS /
ELECTRIC SHUTTERS



TURN LIGHTS
ON / OFF



CUSTOMISE ALL ICONS
AND ROOMS IN THE APP



GROUP TOGETHER
DEVICES BY ROOM

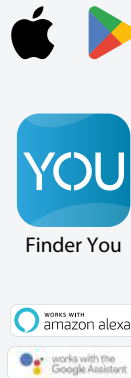
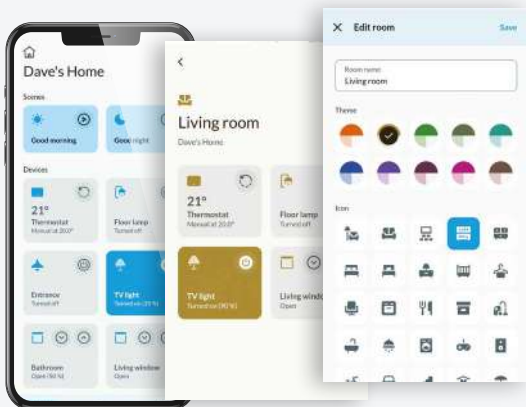


REGULATE
LIGHTING

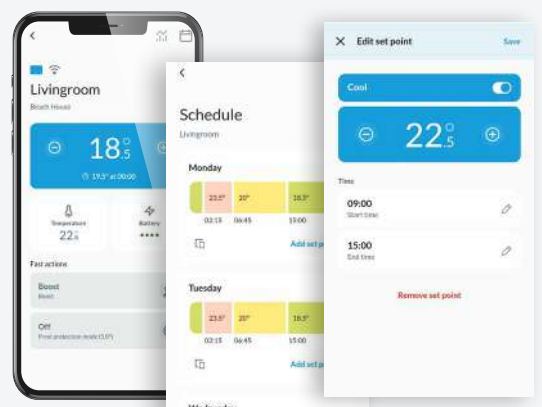


CONFIGURE UP TO 8
SCENARIOS PER DEVICE

Control lights, electric curtains and power shutters



Control the ambient temperature





13.22.8.230.B000



13.21.8.230.B000

MULTIFUNCTIONAL BLUETOOTH RELAY

The Finder YESLY multi-function relay is the device that allows you to turn the lights **on/off**, activate the **shutters** and **electric blinds**, and much more.



CREATE
SCENARIOS



BLUETOOTH



ELECTRIC
LOCK



CONTROL
UP TO 2 LIGHTS



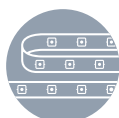
15.21.8.230.B300



15.21.9.024.B200

BLUETOOTH DIMMER

The Finder YESLY universal Bluetooth dimmer allows you to **control the intensity** of lights of different technologies, enhancing your comfort level while minimising energy wastage. **Perfect for LED lamps** and Dimmable CFLs, halogen lamps, electronic power supplies.



STRIP
LED



SOFT START
FUNCTION



PHASE
CONTROL



13.S2.8.230.B000

ACTUATOR SHUTTER

The Type 13.S2 Actuator is a device specifically designed for **controlling electric shutters and curtains**. In just a few minutes, **without any masonry work**, **centralize your control of shutters** to activate them via smartphone or voice command (using the GATEWAY).



CONTROL
SHUTTER



CENTRALIZED
COMMANDS



1Y.P2.8.230.B000

INPUT INTERFACE

The Type 1Y.P2 Interface Input can transform any push-button or switch into a wireless control for the YESLY system.

Invisible and integratable into any installed home lighting system. Perfect for centralizing or controlling individual electric shutters.



CREATE
SCENARIOS



BLUETOOTH



ADJUST AND
TURN DEVICES
ON / OFF



INTERFACE
BUTTON



1Y.EU.005



1Y.E8.230

RANGE EXTENDER

The range extender is a device for extending the range of YESLY devices by around 10 meters in free space. The ideal solution for large homes. Available in a plug and play version with USB connector, or in a hidden recessed version.

GATEWAY



The YESLY **GATEWAY** allows you to manage the opening or closing of your electric shutters and curtains - or to control your lighting - from a remote location using your smartphone and the Finder YOU app. It also permits control via voice command using the Google Assistant or Amazon Alexa. In addition, thanks to them, you can integrate YESLY into routines, along with other services offered by voice command assistants.



868 MHz



Wi-Fi
BLUETOOTH



REMOTE
CONTROL VIA
FINDER YOU APP



INTEGRATES
COMMANDS
WITH VOICE
ASSISTANTS

BEYON



BEYON is the **WIRELESS PUSH BUTTONS**. Available in single or dual configuration and in multiple colours, adapts to any environment and can be adhered to most surfaces.



BLUETOOTH



NO BATTERY,
NO CHARGING



ADJUST AND
TURN DEVICES
ON / OFF



WALL MOUNTED WITH 2 OR 4 CHANNELS

Type 013.B9 push-buttons are supplied with a magnetic disc and an adhesive pad, so you can place it on any surface. Furthermore, thanks to the special adaptor it is possible to install it in a 60 mm diameter box.



BLUETOOTH



NO BATTERY,
NO CHARGING



RECESS
MOUNTING

SIMPLE SOLUTIONS FOR EVERY ROOM

Finder products work inside your system. They're invisible but smart. Customers can manage the various operations

as easily as with a traditional system, but with the advantages of a smart system connected to the network.

Switch on, adjust or create scenarios, including LED strip lighting

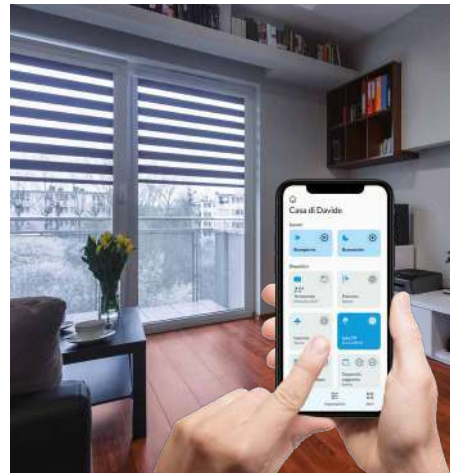
Thanks to the PWM dimmer specific to YESLY you can also dim LED strips and link Finder devices to create your chosen scenarios.

Add a wireless button where needed

Is the button in a place that's not convenient? You can add a wireless button using a connected relay or operate controls from your smartphone for ultimate customer convenience.

Control shutters or electric blinds remotely

You can raise or lower the shutters in your home by pressing a button on your smartphone or via your Google Assistant or Amazon Alexa voice assistant.



Set the temperature and monitor consumption

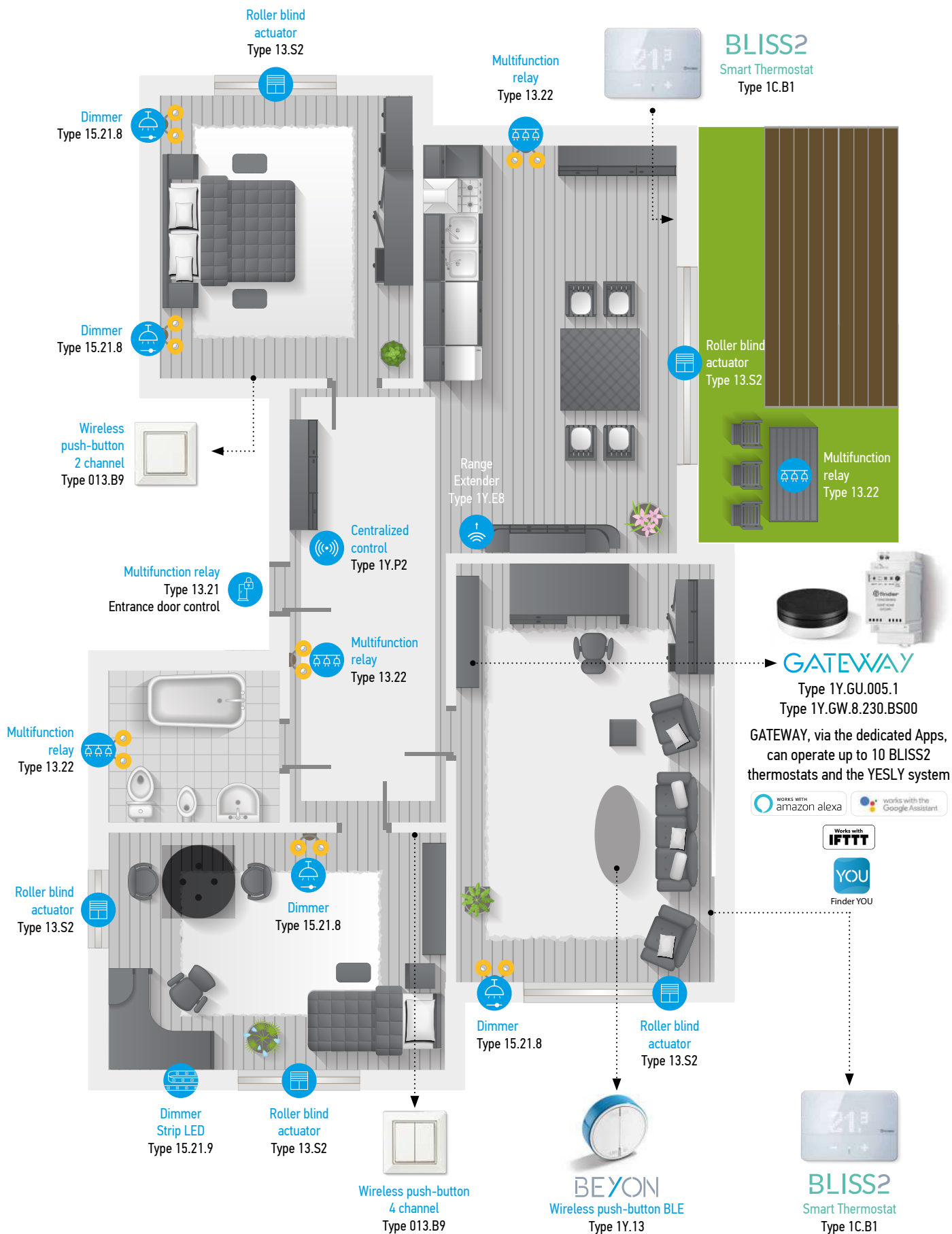
Monitor and set the temperature in your home easily and conveniently, using your smartphone with BLISS thermostats. You can keep your energy consumption under control wherever you are.

YESLY can help you convert the electric lock in your house door or in the gate into a smart lock!

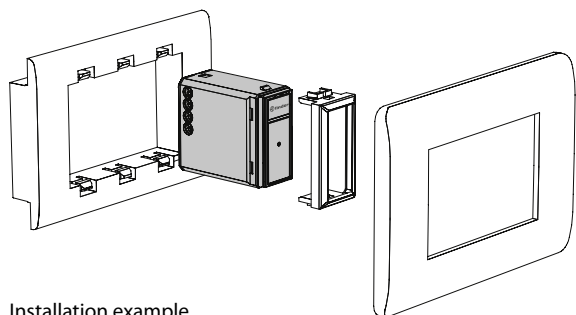
All electric locks can be controlled via App, including remotely with GATEWAY, or with voice assistants.

With controlled sockets, remotely operate lighting appliances or other electrical devices via the App Finder YOU or by voice commands. This application is perfect for remotely controlling floor lamps or for switching on or off electric radiators, such a towel rails.

DISCOVER ALL THE YESLY AND BLISS2 FUNCTIONALITY



ALL THE FUNCTIONS YOU WANT, WITHOUT REQUIRING INVASIVE WORK



Installation example

The range of Finder products that can be integrated within 2, 3, 4, 6 and 7 module wall boxes, and it is compatible with most popular residential and commercial frame systems:

1L Series - Lampada di emergenza a LED

Type 18.91 - Rilevatore di movimento (pag. 25)

Type 13.72 - Relè multifunzione Bluetooth YESLY (pag. 4)

Type 15.71 - Dimmer Bluetooth YESLY (pag. 4)

LUMOS, THE MAGIC OF LIGHT, ONLY WHEN IT 'S NEEDED

Type 1L.10.8.230.x000
white



Type 1L.10.8.230.x002
anthracite gray

The Type 1L.10 LUMOS emergency light enhances safety in the home in the event of a power outage.

It has sleek lines and an ultra-flat design.

Perfect for any type of environment and available in two colours (white and anthracite gray).

MOVEMENT DETECTOR - TYPE 18.91

Type 18.91.8.230.0040
white



Type 18.91.8.230.0042
anthracite gray

The Type 18.91 triggers the lighting on the detection of people in transit. It is perfect for integration in areas such as indoor garages, toilets, service rooms or corridors, as it is virtually invisible after installation.

MULTIFUNCTIONAL BLUETOOTH RELAY - TYPE 13.72

Type 13.72.8.230.B000
white



Type 13.72.8.230.B002
anthracite gray

The Finder YESLY multi-function relay is the device that allows you to turn the lights **on/off**, activate the **shutters** and **electric blinds**, and much more.

BLUETOOTH DIMMER - TYPE 15.71

Type 15.71.8.230.B200
white



Type 15.71.8.230.B202
anthracite gray

The Finder YESLY universal Bluetooth dimmer allows you to **control the intensity** of lights of different technologies, enhancing your comfort level while minimising energy wastage. **Perfect for LED lamps** and Dimmable CFLs, halogen lamps, electronic power supplies, and much more.



LIGHT DEPENDENT RELAYS

FINDER's light dependent relays switch the lights on and off depending on the brightness threshold set. This is an energy efficient way of controlling lighting systems such as streetlights. They are designed to be installed on poles or as stand-alone devices, and are

therefore particularly suited for street lighting, or to manage lighting in car parks or walkways. The range includes different types of installations: for pole or wall mounting or 35 mm rail (EN 60715) mount.



ENERGY SAVINGS

Finder's light dependent relays only switch on the lights when the level of natural light drops below the brightness value set. This means you can rest assured that you are using light when only strictly necessary.



COMFORT

There is no need to schedule the lighting via a timing device because it will switch on as soon as it gets dark. All you need to do is set the switching brightness level threshold.



PRECISION

With several Italian patents to its name, Finder's light dependent relays are extremely accurate devices that can guarantee the highest performance at all times.

LIGHT DEPENDENT RELAYS FOR POLE OR WALL MOUNTING - 10 SERIES

The Finder 10 Series light dependent relays with photosensors will switch lights on and off according to the ambient light level. They are designed to be installed on poles or as stand-alone devices. Integral light sensor (IC photo diode), cadmium free.

Suitable for both residential, public, and industrial applications.

Type 10.32 - 10.42 - 10.51: Italian Patent "light feedback compensation" innovative principle.



Type 10.51
Single output
Single pole switching (L)
Compact



Type 10.61
Single output
Single pole switching
(Prewired - 500 mm)



Type 10.32
Single output
Double pole switching (L+N)

Type 10.41
Single output
Single pole switching (L)

Type 10.42
Two independent outputs
Single pole switching (L)

MODULAR LIGHT DEPENDENT RELAYS - 11 SERIES

The Finder 11 Series modular light dependent relays are designed to be installed within electrical panel enclosures in conjunction with a remote light-sensitive sensor. These light dependent relays incorporate two Italian patents:

- "zero hysteresis" (11.41), which ensures that the switch on and switch off both occur at a single lux threshold level, as set – without any hysteresis.
 - "light feedback compensation" (11.41 - 11.91), minimizes set-up and operational problems by counteracting the effect of the sensor responding to the light emitted from the lighting under control.
- These technical refinements ensure the optimum use of electrical power with ease of set-up and operation, making them particularly suited to applications in almost all residential, commercial, public and industrial settings.



Type 11.31
Compact



Type 11.41
Complete
1 output contact,
4 position selector



Type 11.42
Double
2 independent outputs,
4 position selector



Type 11.91
Digital
(light dependent relay +
time switch)



Type 011.02
External light-sensitive sensor
(included in the package)



TIME SWITCHES - 12 SERIES

The 12 Series time switches optimally manage switching on and off lighting, both in residential buildings (such as houses and apartments), and in common areas of public buildings and offices (such as gardens, garages, entrances and driveways).

Time switches are widely used **to optimize load management** on a daily, weekly or annual basis, or at sunrise/sunset.

In public areas where programming via smart phone, a single operator can change programming, avoiding errors and the overlapping of multiple settings/programs, helping to reduce energy consumption.



With a wide range of functions and the configuration capability of smartphone using the [Finder TOOLBOX app](#), Finder 12 Series time switches enable you to program your lighting system down to the tiniest detail, offering the utmost flexibility.



"ASTRO" settings simulator. Precise programming of contact closure duration, setting offset time relative to sunrise / sunset is **essential for optimizing 12 Series Astro time switches** to maximize energy efficiently.



Type 12.51
Digital (analogue-style)
time switch, daily/weekly
programming



Type 12.81
Digital Astro-switch



Type 12.61 - 1 contact
Type 12.62 - 2 contacts
Pulse function

Type 12.A1 - 1 contact
Type 12.A2 - 2 contacts
Weekly Astro time switch



Precise load management



Type 12.A4
Weekly Astro time switch. Suitable for applications where a variable light level is required - programmable via smartphone with NFC communications.
Compatible with power supply/ballasts with 0-10V or PWM inputs



Type 12.C1
Weekly Astro time switch with Bluetooth, 17.5 mm wide

- Without display
- Without Internal battery, one week power reserve
- **Supercapacitor with one week power reserve**



Type 12.B2
Annual Astro time switch

THE MOST COMPLETE



The 12 Series time switches optimally manage switching on and off lighting, both in residential buildings (such as houses and apartments), and in common areas of public buildings and offices (such as gardens, garages, entrances and driveways).

Time switches are widely used to optimize load management on a daily, weekly or annual basis, or at sunrise/sunset.

In public areas where programming via smart phone, a single operator can change programming, avoiding errors and the overlapping of multiple settings/programs, helping to reduce energy consumption.

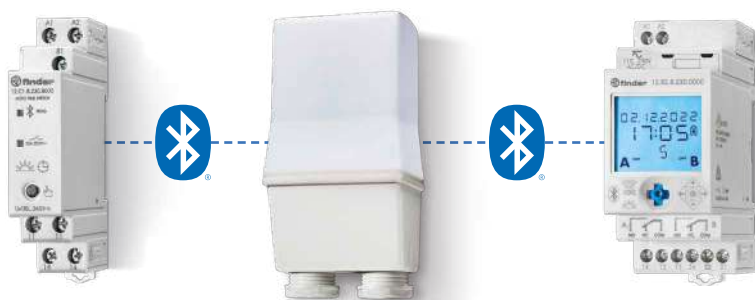


12 SERIES - General characteristics

	12.81	12.51	12.61	12.62	12.A1	12.A2	12.A4	12.B2	12.C1
Contact configuration	1 CO	1 CO	1 CO	2 CO	1 CO	2 CO	1 CO	2 CO	1 NO
Version 12...24 V DC			✓			✓			
Astro	✓				✓	✓	✓	✓	✓
Switch		✓	✓	✓	✓	✓	✓	✓	✓
Pulse			✓	✓	✓	✓	✓	✓	✓
Astro Pulse								✓	✓
Astro Correction - Cyclic Function								✓	
Random switching									
Daily		✓	✓	✓	✓	✓	✓	✓	✓
Weekly		✓	✓	✓	✓	✓	✓	✓	✓
Annual								✓	
Minimum switching interval	—	30 min	1 sec	1 sec	1 sec	1 sec	1 min	1 sec	1 sec
Expandability								✓	
GPS antenna synchronization								✓	✓
Bluetooth								✓	✓
NFC	✓	✓	✓	✓	✓	✓	✓	✓	
Light level control PWM or 0-10 V							✓		
Calculation of sunrise and sunset times through date, time and location coordinates	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wide (mm)	35	35	35	35	35	35	35	35	17.5
Back-light display LCD status indication, set-up and programming	✓	✓	✓	✓	✓	✓	✓	✓	
Internal battery without supply, easily replaceable from the front	✓	✓	✓	✓	✓	✓	✓	✓	
Without Internal battery, one week power reserve									✓
Volt-free contacts	✓	✓	✓	✓	✓	✓	✓	✓	✓
Lock with a 4-digit PIN	✓	✓	✓	✓	✓	✓	✓	✓	✓

Bluetooth GPS antenna Type 012.BG

The GPS antenna Type 012.BG is an accessory, which does not prevent the normal operation of the switches Type 12.B2 and Type 12.C1.



App Finder Toolbox for time switches



Finder Toolbox

By downloading the free Finder Toolbox app, compatible with both Android and iOS systems onto your smart phone, you can programme and save your desired settings in just a few minutes.

For example, you can configure and/or read device settings and modify a wide range of options in detail, depending on your needs.

Not only that, but the app allows you to save your settings so you can apply them to multiple devices and share them with other users.

Once you have finished the configuration with your smart phone, you can send it to the device in a smart way via Bluetooth or NFC:



Simply place your smart phone onto the product, or multiple devices, to transfer data using NFC (Near Field Communication) technology. This technology allows communication to take place without the time switch being powered.



With Type 12.B2 and 12.C1 devices, you can send the configuration quickly and easily to the device without the need for physical contact with your smartphone.

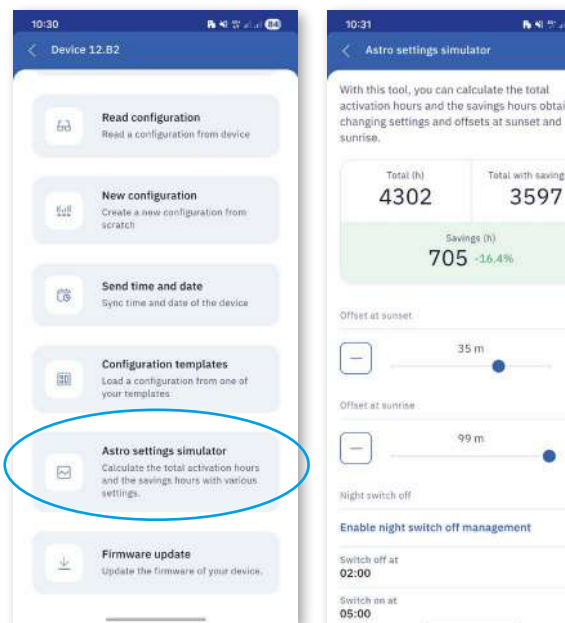
"ASTRO" settings simulator

Precise programming of contact closure duration, setting offset time relative to sunrise / sunset is **essential for optimizing 12 Series Astro time switches** (Types 12.B1, 12.A1, 12.A2, 12.A4, 12.B2 and 12.C1) to maximize energy efficiently.

This approach reduces energy consumption by avoiding unnecessary switching, using energy only when necessary, with benefits for the environment and costs.

In addition, accurate management allows data on energy use to be collected, improving planning and facilitating predictive maintenance. Ensuring lasting energy savings and a more sustainable use of resources.

- Astro time setting on all Astro time switches
- Immediate estimate of the time saved
- It is possible to set the specific reference period
- Option of downloading data in a **.CSV file**



Excel table example

	A	B	C	D	E	F	G	H	I	J	K
1	Month	Day	Sunrise	Sunset	Off	On	NightSwitchOff	NightSwitchOn	SwitchOnMinutes	NightSwitchOffApplied	
2	1	1	07:56	17:06	07:26	17:36	-	-	830	YES	
3	1	2	07:56	17:07	07:26	17:37	-	-	829	YES	
4	1	3	07:56	17:08	07:26	17:38	-	-	828	YES	
5	1	4	07:56	17:09	07:26	17:39	-	-	827	YES	
6	1	5	07:56	17:10	07:26	17:40	-	-	826	YES	
7	1	6	07:56	17:11	07:26	17:41	-	-	825	YES	
8	1	7	07:56	17:12	07:26	17:42	-	-	824	YES	

ELECTRONIC STEP RELAYS - 13 SERIES

The 13 Series electronic step relays, which are quieter than classic electromechanical step relays. If your system requires a centralised on/off control with just one switch, the electronic step relay is the easiest to install and connect.

The 13 Series offers the best choice for a wide variety of applications.



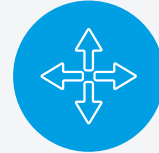
NOISELESS

Finder's specially designed electronic step relays are practically silent.



DEPENDABILITY

Since its first patent in 1949, Finder has been in the vanguard of the evolution of the step relay, now synonymous with the brand.



FLEXIBILITY

A wide range of switching sequences to suit a wide range of requirements and applications.



Type 13.01
SELV applications



Type 13.11 – 1 Pole
Type 13.12 – 2 Pole
call + reset
Emergency calls
(ideal for bathrooms,
hospitals and care homes)



Type 13.81
35 mm rail mount



Tipo 13.31
Monostable
Noiseless



Tipo 13.91
Quiet electronic step relay
Bi-function:
- Step relay
- Timing step relay

Electronic step multifunction relays with adjustable time setting up to 20 minutes

The perfect solution for switching off your system centrally with a single push button.



Type 13.61
Set and Reset command (24 V AC/DC),
Reset command (230 V AC)

Functions:

- (RM) Monostable
- (IT) Timing step relay
- (RI) Step relay
- ⚙️ Light ON



Type 13.62
Interruzione F-N, con funzione ripristino da blackout

Functions:

- (RI) Step relay
- (RI_m) Step relay with power failure restoration *
- (IT) Timing step relay
- (IT_m) Timing step relay with power failure restoration *

* In case of power failure, when power is restored, the output returns to the state it was in before the power failure



MULTI-FUNCTION ELECTRONIC STAIRCASE TIMERS - 14 SERIES

Light for as long as you need it

The Finder 14 Series staircase timers are designed to control the lighting systems fitted to staircases in houses, apartment blocks and public buildings. Thanks to the range of different functions available, each timer can be configured to meet the specific requirements of each application.

Other functions that you may find particularly useful include the 'stair cleaning' maintenance function, which keeps the lights on during cleaning, or the 'power off warning' function, which ensures the lights do not suddenly go off, (but instead are gradually dimmed to give you the chance to press the button again).



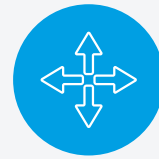
SAFETY

Having the right lighting level in stairwells is not only about comfort, but more importantly it is about being able to go up and down the stairs in complete safety. With the flashing and pre-power-off functions, you will never be left in the dark!



DEPENDABILITY

Manufactured in Italy and tested up to four times, Finder staircase timers truly are synonymous with reliability.



FLEXIBILITY

Several functions to choose from and an array of configuration options ensure you enjoy the full flexibility of your application.



14 SERIES - General characteristics

	14.01	14.11	14.61	14.71	14.81	14.91
Contact configuration	1 NO	1 NO	1 NO	1 NO	1 NO	1 NO
Supply	230 V AC	110...240 V AC	230 V AC	230 V AC	110...125 V AC 230 V AC	230 V AC
Timing	0.5...20 min	0.5...20 min	0.5...20 min	0.5...20 min	0.5...20 min	0.5...20 min
Illuminated push-button 1 mA	30	45	30	30	45	25
Terminals	box clamp	box clamp	Push-in	box clamp	box clamp	box clamp
3 or 4 wire systems	✓	4 wires	✓	✓	✓	3 wires
RESET	—	✓	—	—	—	—
Functions	8	4	3	3	1	1
Function "Staircase maintenance"	✓	—	✓	✓	✓	—

FINDER staircase timers are characterized by the many functions available and the possibility of being installed in systems with wired control buttons all on both Phase or Neutral.

The range includes more more innovative products such as the 14.01 and 14.71 multifunctional models, more 'basic' models such as the 14.81 or models like the 14.61-P, equipped with Push-In terminals for faster wiring.



Type 14.01.8.230.0000



Type 14.11.8.230.0300



Type 14.61.8.230.P000



Type 14.71.8.230.0000



Type 14.81.8.230.0000



Type 14.91.8.230.0000

FUNCTIONS (according to type)

BE	STAIRCASE TIMER
ME	STAIRCASE TIMER + STAIRCASE MAINTENANCE
BP	STAIRCASE TIMER WITH EARLY WARNING
MP	STAIRCASE TIMER WITH EARLY WARNING + STAIRCASE MAINTENANCE
IT	TIMING STEP RELAY
IP	TIMING STEP RELAY WITH EARLY WARNING
RI	STEP RELAY
	LIGHT ON

DIMMERS - 15 SERIES

To ensure the perfect ambience for any occasion

Being able to dim the lights, or to adjust the brightness, is essential for creating the right ambience in restaurants and hotels, but it is just as important to be able to enjoy

comfortable lighting at home. Finder 15 Series dimmers allow you adjust the brightness of each lamp or the entire system to create the perfect ambience.



SAFETY

Finder 15 Series dimmers are designed to protect against overload and short-circuits.



COMFORT

Just the right amount of light, as and when you want it: any time of day and in any location.



VERSATILITY

Finder 15 Series dimmers can dim all types of lamps, including incandescent, halogen, energy-saving bulbs, compact fluorescent light bulbs (CFLs) and LEDs, with all kinds of electromechanical transformers.





'MASTER & SLAVE' SYSTEM FOR SINGLE OR COMBINED MULTIPLE DIMMING LOADS

The 'MASTER & SLAVE' system for dimming was created by Finder to provide a tool that is flexible and powerful, for all those applications requiring the management of a large number of loads.

The **Master Dimmer Type 15.10** control device generates a 0 – 10 V signal which is proportional to the value of light desired that, connected to other **Slave Dimmer type 15.11**, can adjust the brightness of the lamps.

Each 'Master' can drive **up to 32** 'Slave' dimmers with a switchable power of 400 W each.

The combination of these two products allows you to create that unique lighting ambience.

APPLICATIONS

The Master & Slave dimmer system is ideal for commercial environments, such as restaurants, hotels and shops, and more generally, anywhere there is a need to control a large number of lamps with precision.

With the 'BP' function 'Switch-off pre-warning', the lamps will not switch off suddenly, but will reduce their intensity gradually to 50% for 10 seconds, and then reduce the light intensity until complete switch-off (unless the button is pressed again and then 100% is restored).



Type 15.21.8.230.0200

- Round wall box (ie: Ø 60 mm) mounting
- Dimming operating mode Trailing edge or Leading edge
- Soft" switching ON/OFF
- Over-temperature and short-circuit protection
- No BLE interface
- Suitable for LED loads
- Maximum dimmable power 200 W LED
- Without memory



Type 15.51

- Suitable for wall box or panel mounting
- Trailing edge dimming
- Step or Linear dimming
- Maximum lamp load 400 W
- Two modes - with or without memory



Type 15.81

- 35 mm rail (EN 60715) mount
- Leading and trailing edge dimming methods (depending on the function)
- Compatible with energy saving (CFL or LED) dimmable lamps and most types of transformer/ballast drivers
- Linear dimming
- Thermal protection against overload
- Maximum lamp load 500 W
- Multi-function



Type 15.91

- Suitable for residential wall box mounting
- Maximum lamp load 300 W
- Leading edge dimming
- Two modes - with or without memory
- Linear dimming

Select dimmer according to load type

- * Drives a single transformer only
- ** Drives a single transformer only -
Trailing Edge method (TE)



		15.51	15.91	15.21.8.230.0200	15.81	15.2K
DIMMABLE LED 230 V AC	LED	50 W (Trailing Edge)	150 W (Leading Edge)	200 W	100 W	100 W
ELECTRONIC TRANSFORMER (Low voltage LED)	LED 	50 W **	—	200 W	100 W	100 W
STRIP LED 230 V AC		—	—	180 W	450 W	360 W
INCANDESCENT OR HALOGEN		400 W	300 W	200 W	500 W	400 W
TOROIDAL TRANSFORMER (Low voltage Halogen)		300 W *	—	—	500 W	400 W
ELECTROMAGNETIC TRANSFORMER (Low voltage Halogen)		—	—	—	500 W	400 W
ELECTRONIC TRANSFORMER "Ballast" (Low voltage Halogen)		400 W *	—	200 W	500 W	400 W
DIMMABLE COMPACT FLOURESCENT (CFL)		—	—	—	100 W	100 W
MINIMUM POWER LEVEL		10 W	3 W	3 W	3 W	2 W

YESLY

YESLY

YESLY

MASTER & SLAVE

* Automatically adopts appropriate dimming method

*** Drives up to 32 slaves (15.11) or similar 0–10 V / 1–10 V devices



*



*



*



		15.71	15.21.8.230.B300	15.21.9.024.B200	15.10	15.11
DIMMABLE LED 230 V AC	LED	100 W	150 W	—	—	100 W
ELECTRONIC TRANSFORMER (Low voltage LED)	LED 	200 W	300 W	—	—	100 W
STRIP LED 230 V AC		180 W	270 W	—	—	360 W
STRIP LEDs 12...24 V DC		—	—	8 A 192 W - 24 V 96 W - 12 V	—	—
INCANDESCENT OR HALOGEN		200 W	300 W	—	—	400 W
TOROIDAL TRANSFORMER (Low voltage Halogen)		200 W	300 W	—	—	400 W
ELECTROMAGNETIC TRANSFORMER (Low voltage Halogen)		200 W	300 W	—	—	400 W
ELECTRONIC TRANSFORMER "Ballast" (Low voltage Halogen)		200 W	300 W	—	—	400 W
DIMMABLE COMPACT FLOURESCENT (CFL)		100 W	150 W	—	—	100 W
LIGHT INSTALLATION WITH 0–10 V / 1–10 V POWER SUPPLY		—	—	—	0–10 V, +35 mA 1–10 V, -35 mA ***	—
MINIMUM POWER LEVEL		3 W	3 W	—	—	3 W

Light when you need it

Made in Italy the design, engineering and construction are values that distinguish the 18 Series motion detectors by Finder.

Designed with the places where they will be installed in mind, these devices feature small dimensions and a linear design perfect for all environments.

In ogni ambiente, lavorativo, residenziale, domestico, sia all'interno che all'esterno, luce significa sicurezza. Grazie ai rilevatori di movimento, potrai avere sempre tutta la luce che ti serve, solo quando serve.

I rilevatori Serie 18 dotati di sensori PIR (PIR – Passive InfraRed), non appena registrano un movimento nella loro area di rilevazione, se la soglia LUX impostata è stata raggiunta, accendono la luce nell'ufficio, nel corridoio, nel vano scale, nel garage o in giardino, garantendo la tua sicurezza ed il tuo comfort. Grazie ad una vasta gamma di modelli, l'installatore può trovare sempre la soluzione giusta per te. Dall'installazione a parete, a soffitto o ad incasso, per interno o per l'esterno, abbiamo sempre il rilevatore che risponde alle tue esigenze.



SAFETY

Finder's movement detectors will automatically and immediately **switch on the lights as soon as someone passes through the area**. This means that there is no need to install light switches, especially in communal areas such as garages and staircases. In addition, when fitted in strategic locations and when correctly integrated with a lighting system, the movement detectors can serve as a deterrent for intruders.



COMFORT

All the light you need, only when you need it. Thanks to the wide area of survey, the sensitivity of the lenses and the effective integration with the lighting system, Finder detectors guarantee unbeatable comfort and convenience. Gone are the days scrabbling around in the dark for the light switch in the garage or on the staircase: **light now follows your every move!**



ENERGY SAVINGS

Finder detectors ensure that your lights are switched on only when strictly necessary. This will naturally bring substantial energy savings, in heavily transited areas, and in places that are used at specific times, such as schools, offices, corridors, staircases, garages and more.



Outdoor installations IP 55

Outdoor MOVEMENT detectors are characterized by a high degree of protection (IP 55). Internal presence detectors are particularly suited for use in bathrooms, corridors, staircases and, more generally, in less heavily transited areas.



Type 18.81

- Adjustable wall-mounted
- Volt-free contact
- External switching push-button



Indoor installations IP 40

As soon as Finder detectors sense movement in their area of coverage, they will switch on the lights in the office, corridor, stairwell, garage or garden, to ensure your comfort and safety. Presence sensors, also known as PIR (PIR – Passive InfraRed) movement detectors, are

designed to switch on the light automatically every time the sensor detects even the slightest movement. In a crowded room, where lots of people are coming in and out, the motion sensor will continue to detect movement and the light will remain on. It will go off when the last person present moves outside of the sensor's area of survey, and when the time scheduled for the light to remain on has elapsed.



Type 18.21
• Surface mounting
• Volt-free contact version



Type 18.31
• Recess ceiling mounting (white)
• Recess or surface ceiling mounting (anthracite gray)
• High ceiling applications version
• Volt-free contact version



Type 18.41
• PIR movement and presence detectors
• Specific for corridors
• Push-in terminals
• Volt-free contact version



Type 18.51
• PIR movement and presence detectors
• Push-in terminals
• Standard version or with DALI or KNX interface
• External switching push-button connection
• Programmable and adjustable via the FINDER TOOLBOX app (iOS and Android)
• Programmable via Bluetooth LE (Low Energy)



Type 18.71
• Adjustable wall-mounted
• "Self-learning Timing" function



Type 18.91
• Wall mounting compatible with 2 or 3 module housing compatible with most popular residential and commercial frame systems

18 SERIES - General characteristics



Codes	Color	Type of contact	Rated current	Supply	Terminals	Type of mounting	Mounting height
18.21.0.024.0300	white	1 NO (volt-free contact)	10 A	24 V AC/DC	Box clamp	Ceiling surface	2,8...5 m
18.21.8.230.0000	white	1 NO (110...230 V AC)	10 A	110...230 V AC	Box clamp	Ceiling surface	2,8...5 m
18.21.8.230.0300	white	1 NO (volt-free contact)	10 A	110...230 V AC	Box clamp	Ceiling surface	2,8...5 m
18.31.0.024.0300	white	1 NO (volt-free contact)	10 A	24 V AC/DC	Box clamp	Recess ceiling	2,8...5 m
18.31.8.230.0000	white	1 NO (110...230 V AC)	10 A	110...230 V AC	Box clamp	Recess ceiling	2,8...5 m
18.31.8.230.0022	anthracite gray	1 NO (110...230 V AC)	10 A	110...230 V AC	Box clamp	Recess and surface ceiling	2,8...5 m
18.31.8.230.0300	white	1 NO (volt-free contact)	10 A	110...230 V AC	Box clamp	Recess and surface ceiling	2,8...5 m
18.31.8.230.0322	anthracite gray	1 NO (volt-free contact)	10 A	110...230 V AC	Box clamp	Recess and surface ceiling	2,8...5 m
18.31.8.230.0031	white	1 NO (110...230 V AC)	10 A	110...230 V AC	Box clamp	Recess and surface ceiling	2,8...6 m
18.31.8.230.0032	anthracite gray	1 NO (110...230 V AC)	10 A	110...230 V AC	Box clamp	Recess and surface ceiling	2,8...6 m
18.41.8.230.0300	white	1 NO (volt-free contact)	10A	110...230 V AC	Push-in	Recess and surface ceiling	2,8...5 m
18.4K.9.030.0001	white	—	—	30 V DC	KNX	Recess and surface ceiling	2,8...5 m
18.51.8.230.0040	white	1 NO (110...230 V AC)	10 A	110...230 V AC	Push-in	Recess and surface ceiling	2,8...5 m
18.51.8.230.B300	white	1 NO (volt-free contact)	10 A	110...230 V AC	Push-in	Recess and surface ceiling	2,8...5 m
18.5D.8.230.0000	white	—	—	110...230 V AC	Push-in	Recess and surface ceiling	2,8...5 m
18.5K.9.030.0001	white	—	—	30 V DC	KNX	Recess and surface ceiling	2,8...5 m
18.71.8.230.0000	white	1 NO (230 V AC)	10 A	230 V AC	Box clamp	Adjustable wall-mounted	0...2,8 m
18.71.8.230.0002	anthracite gray	1 NO (230 V AC)	10 A	230 V AC	Box clamp	Adjustable wall-mounted	0...2,8 m
18.81.8.230.0000	white	1 NO (volt-free contact)	10 A	230 V AC	Box clamp	Adjustable wall-mounted	0...2,8 m
18.81.8.230.0002	anthracite gray	1 NO (volt-free contact)	10 A	230 V AC	Box clamp	Adjustable wall-mounted	0...2,8 m
18.91.8.230.0040	white	1 NO (triac, 110...230 V AC)	300 W	110...230 V AC	Box clamp	compatible with 2 or 3 module housing	1,1 m
18.91.8.230.0042	anthracite gray	2 NO (triac, 110...230 V AC)	300 W	110...230 V AC	Box clamp	compatible with 2 or 3 module housing	1,1 m



*** Accessory**
Beam limiter available
for types 18.21/31/41/51
(included in the package)

Codes	Sensing area	presence (micro- movements)	Protection category	External switching push-button	Standards communications	Automatic timer	Constant light regulation
18.21.0.024.0300	50 mq (ø 8 m)		IP 40				
18.21.8.230.0000	50 mq (ø 8 m)		IP 40				
18.21.8.230.0300	50 mq (ø 8 m)		IP 40				
18.31.0.024.0300	50 mq (ø 8 m)		IP 40				
18.31.8.230.0000	50 mq (ø 8 m)		IP 40				
18.31.8.230.0022	50 mq (ø 8 m)		IP 40				
18.31.8.230.0300	50 mq (ø 8 m)		IP 40				
18.31.8.230.0322	50 mq (ø 8 m)		IP 40				
18.31.8.230.0031	113 mq (ø 12 m @ h 6 m)	✓ (@ h 2,8 m)	IP 40				
18.31.8.230.0032	113 mq (ø 12 m @ h 6 m)		IP 40				
18.41.8.230.0300	120 mq (4x30 m)		IP 40				
18.4K.9.030.0001	120 mq (4x30 m)		IP 40		KNX		✓
18.51.8.230.0040	64 mq (8x8 m)	✓ (@h 2,8m)	IP 40	✓			
18.51.8.230.B300	64 mq (8x8 m)	✓ (@h 2,8m)	IP 40		Bluetooth		
18.5D.8.230.0000	64 mq (8x8 m)	✓ (@h 2,8m)	IP 40		DALI		✓
18.5K.9.030.0001	64 mq (8x8 m)	✓ (@h 2,8m)	IP 40		KNX		✓
18.71.8.230.0000	50 mq (ø 8 m)		IP 40			✓	
18.71.8.230.0002	50 mq (ø 8 m)		IP 40			✓	
18.81.8.230.0000	50 mq (ø 8 m)		IP 55	✓			
18.81.8.230.0002	50 mq (ø 8 m)		IP 55	✓			
18.91.8.230.0040	110°		IP 20	✓			
18.91.8.230.0042	110°		IP 20	✓			

ELECTROMECHANICAL STEP RELAYS - 20 - 26 - 27 SERIES

The 'CLICK' that's been switching the lights since 1954

The Finder 20, 26 and 27 Series bring together various versions of the first product that was patented and manufactured by the company in 1954: the electromechanical step relay. Ever since, the electromechanical step relay has become synonymous

with the Finder brand, reliably and effectively demonstrating the quality of our products.

Finder's step relays are perfect devices for any lighting system.



HISTORY

Over 70 years' experience in manufacturing this type of product today enables us to ensure the highest quality standards.



VERSATILITY

Finder's range of electromechanical step relays enables you to implement up to 4 sequences for a fully versatile application.



CHOISE

A wide range of switching sequences to suit a wide range of requirements and applications.



MODULAR STEP RELAYS - 20 SERIES

- Single phase switch 1 NO / Double phase switch 2 NO / Double phase switch 1 NO + 1 NC
- Test button and mechanical indicators
- 7 versions available
- AC coils and DC coils
- Identification label
- According to EN 60601-1, 2 x MOPP
- Possible to connect illuminated push-buttons with the additional part 026.00

ELECTROMECHANICAL STEP RELAYS - 26 SERIES AND 27 SERIES

The original: Dependable as always, and better than ever!

Finder's step relays – the original step relays – **are now even quieter and more compact**, making them perfect for fast and easy retrofit installations.

- 1 - 2 outputs contacts, 10 A
- 7 versions, with different switching sequences
- Versions with coil power limiter (EVO)
- Connect with illuminated push buttons without external adapters
- Box clamps
- AC coil: 12 - 24 - 48 - 110 - 230 V (according to type)
- Can be mounted behind blanking plates



Type 26.0x.8.xxx.4000
with electrically separate coil
and contact circuits

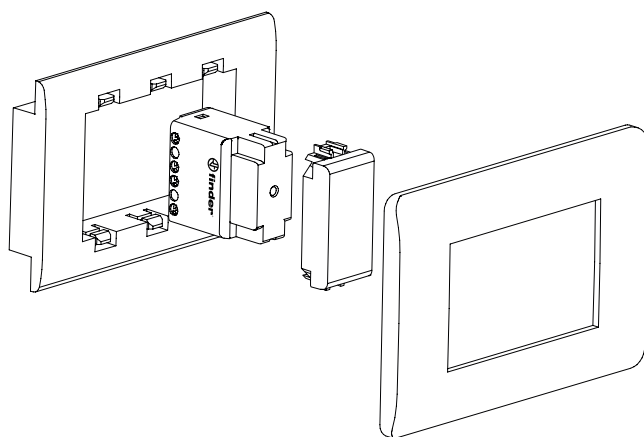


Type 27.0x.8.xxx.4000
with electrically common coil
and contact circuits



EVO

Type 27.2x.8.230.4000
with electrically common coil
and contact circuits; with coil
power limiter



Type	Type	Type EVO	Sequence/Steps			
			1	2	3	4
26.01	27.01	27.21	1	2		
26.02	27.02	27.22	1 1	2 2		
26.03	27.03	27.23	1 2	2 1		
26.04	27.04	27.24	1 1	2 2	1 2	2 1
26.05	27.05	27.25	1 1	1 2	2 1	2 2
26.06	27.06	27.26	1 1	1 2	2 2	
26.08	27.08	27.28	1 1	2 1	1 2	2 2



MODULAR CONTACTORS - 22 SERIES

For large load management

The Finder 22 Series modular contactors can handle high power for a wide range of electrical systems, machinery and devices. They are often chosen to manage power in hotel rooms and passenger cabins on cruise ships. This is because they ensure high performance with quiet

operation: the perfect combination to guarantee guests' comfort.

The wide range of voltages and options available allows you to configure the product to the specific requirements of your application.



NOISELESS

For effective, discreet load management in areas such as hotel rooms and passenger cabins on cruise ships.



PERFORMANCE

Broad spectrum of controllable loads, with nominal current ratings from 25 to 63 A.



CONFIGURATION

The contactors can be configured to meet a wide range of requirements and applications.

Modular power contactors can not only control lighting circuits in residential/service/commercial and industrial environments, but can also manage resistive and inductive circuits such as engines, pumps and fans.

These modular power contactors are available in several multi-pole versions, with nominal currents between 25 and 63 A, and maximum inrush currents between 80 and 240 A.

25 A

Wide range of different versions and options.
For peak currents between 80 and 120 A



Type 22.32



Type 22.34



40 A

Type 22.44
Peak inrush capability up to 176 A



63 A

Type 22.64
Particularly suited to industrial lamp loads with peak inrush currents up to 240 A

SWITCH MODE POWER SUPPLIES - 78 SERIES

Low profile, high-performance

The Finder 78 Series switch mode power supplies are ideal for LED strips, video door entry systems and home automation systems. They stand out for their high standards of workmanship, 100% MADE IN ITALY, as well as an array of functions including: the front panel replaceable fuse for input protection, a compact design,

and a very low energy use when in stand-by mode. The Types 78.50 and 78.60 models also have characteristics specifically intended for battery charging. They are ideal for supplying emergency lights, CCTV systems and access control systems.



DEPENDABILITY

Each power supply is subject to a series of rigorous tests before leaving the factory. This is the way we guarantee that you can fully trust our products. Finder power supplies are protected against overloading and short-circuiting.



PERFORMANCE

Finder power supplies are built to provide top-of-the-range performance in terms of efficiency and low energy use.



CONFIGURATION

The output of the power supply can be adjusted to meet the requirements of the application.



Type 78.12
Nominal
output
power
12 W
or
24 W



Type 78.25
Nominal
output
power
12 W
or
24 W



Type 78.36
Nominal
output
power
36 W



Type 78.50
Nominal
output
power
50 W

Type 78.60
Nominal
output
power
60 W



Suitable for battery charging





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ZGUENXXL01 - VII/2026 - Lighting management

