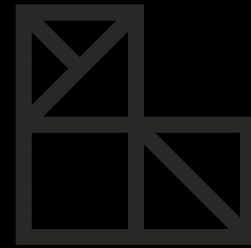


DESIGNED
SWITCHES

Lithoss



Lithoss

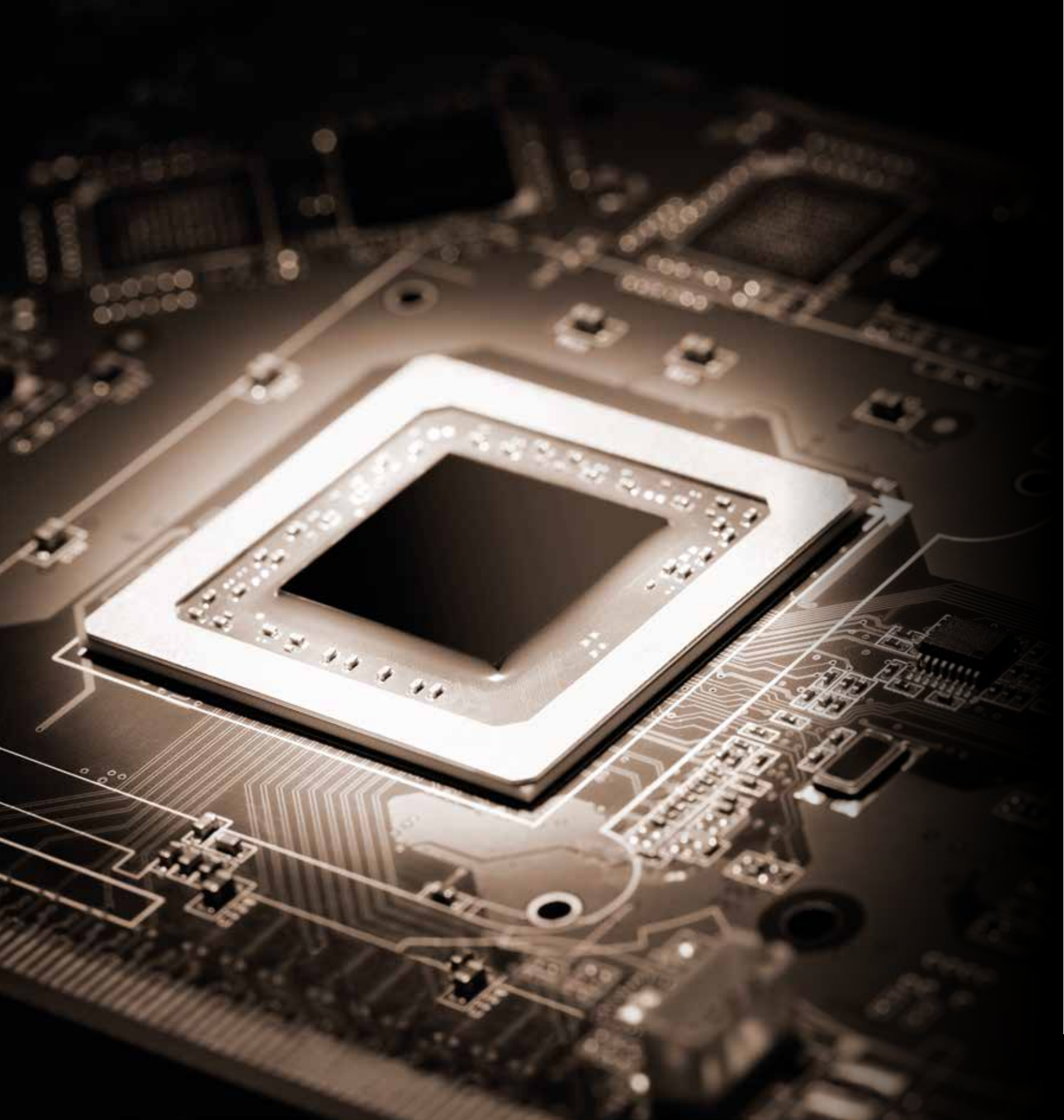
Technology

1. Conventional systems

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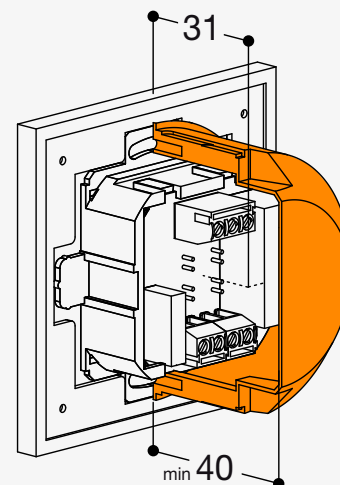


1. Conventional systems

1.1 Teleruptor



01 Stainless Steel

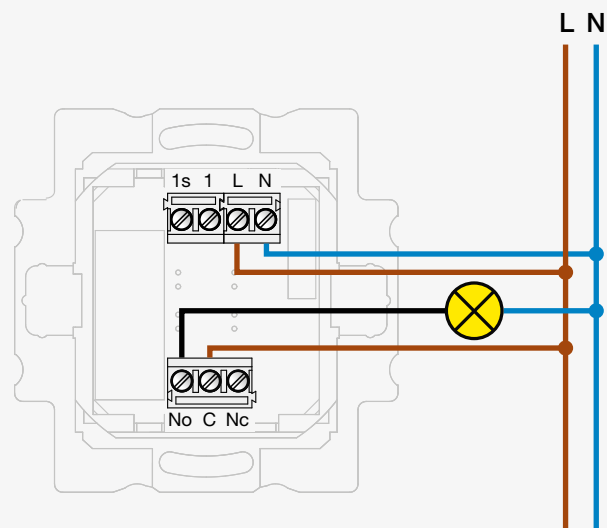


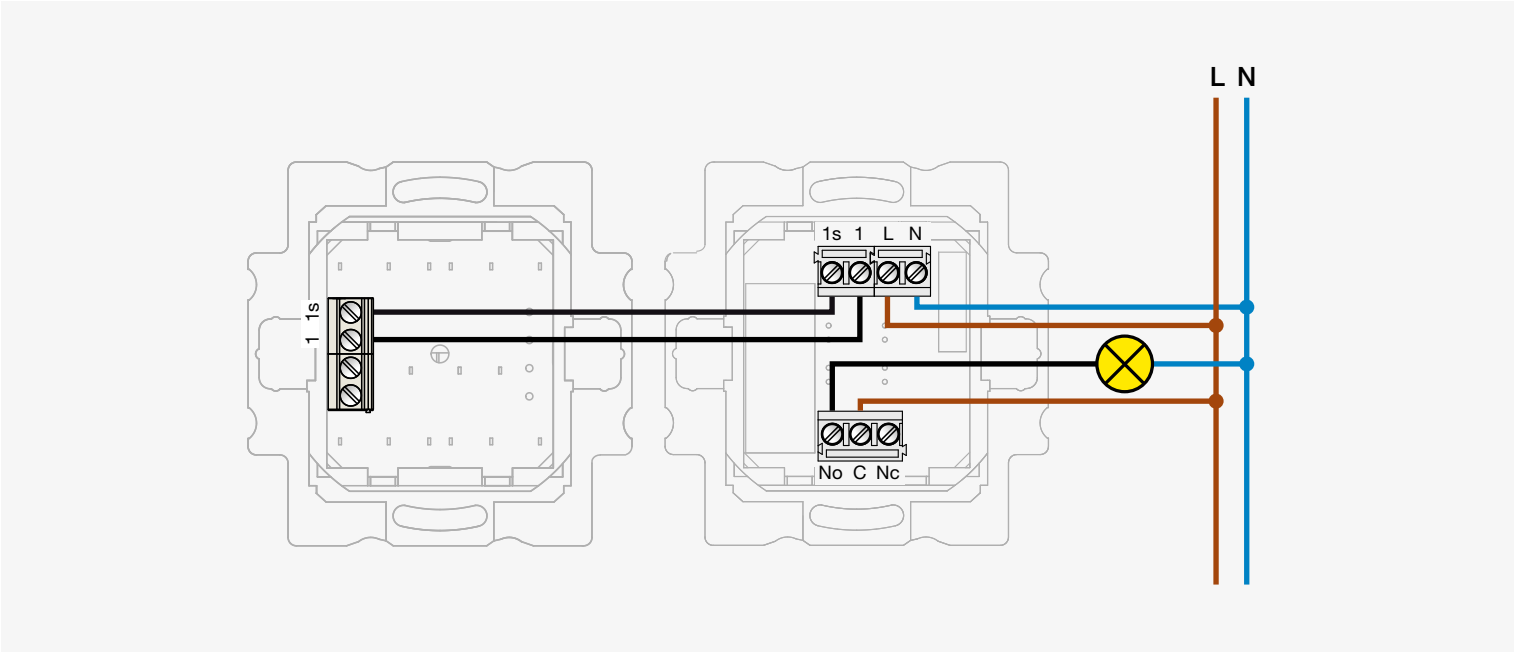
Features

- Integrated teleruptor module
- Expandable with external push buttons
- Limited built-in depth
- Available on 1T Select, Select Flush, Squares & Squares Flush

Technical specifications

Switching capacity 250V / 16A.





	Product family	Ref.
	Select	NiA1xx
	Squares	SqA1xx
	Select Flush	NFA1xx
	Squares Flush	SFA1xx

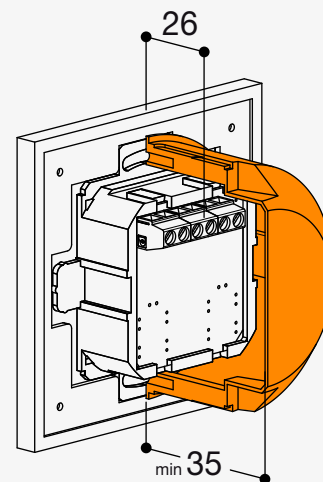
xx Add the color code at the end for any color you desire.



1. Conventional systems

1.2 RGB controller

01 Stainless Steel



Features

Integrated RGB controller

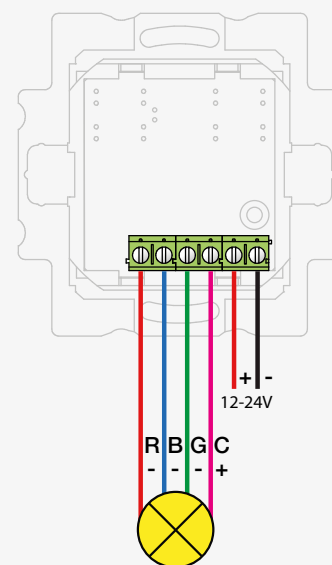
Ideal to control led-strips (12V or 24V DC)

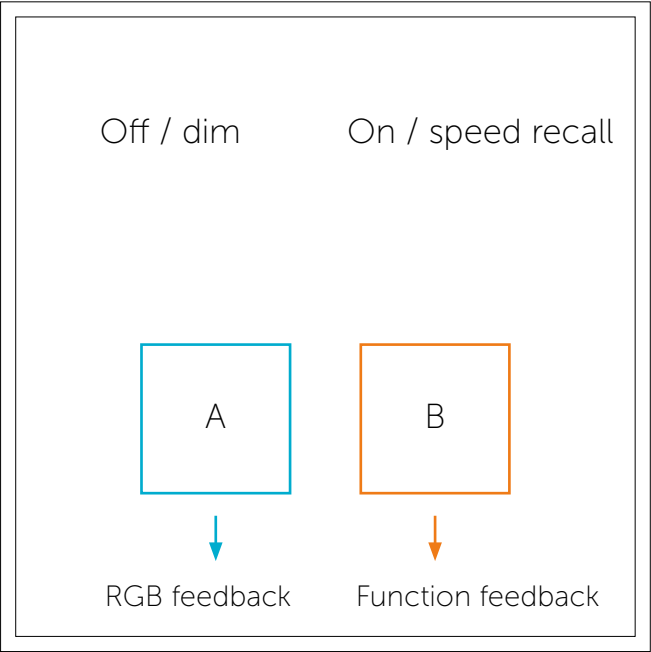
3 channel dimmer

— RGB color change sequencer

Technical specifications

12V	Input 12V = Output 12V	max. 50W / Channel
24V	Input 24V = Output 24V	max. 50W / Channel





Functions buttons A & B

When switching supply power "ON", luminaires flashes 1x WHITE.
Push A or B 1x => white fixed color (color sequence speed = 0).

To enter color sequence FAST speed => push B 1x.
To enter color sequence MEDIUM speed => push B 2x (short).

To fix color (speed = 0) => push B 1x.

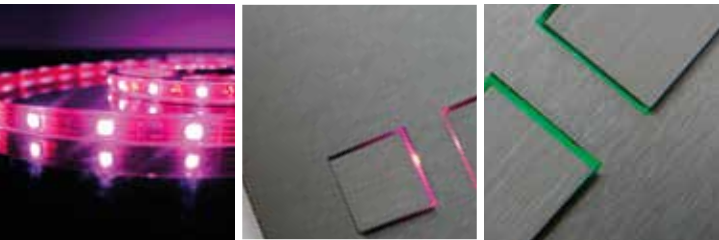
You can TOUCHDIM downwards (re-push for dimming upwards) holding A.

Switch off luminaires by pressing A 1x.

Recall latest color by pressing B 1x.

	Product family	Ref.
	Select	NiI2xx
	Squares	SqI2xx
	Select Flush	NFI2xx
	Squares Flush	SFI2xx

xx Add the color code at the end for any color you desire.



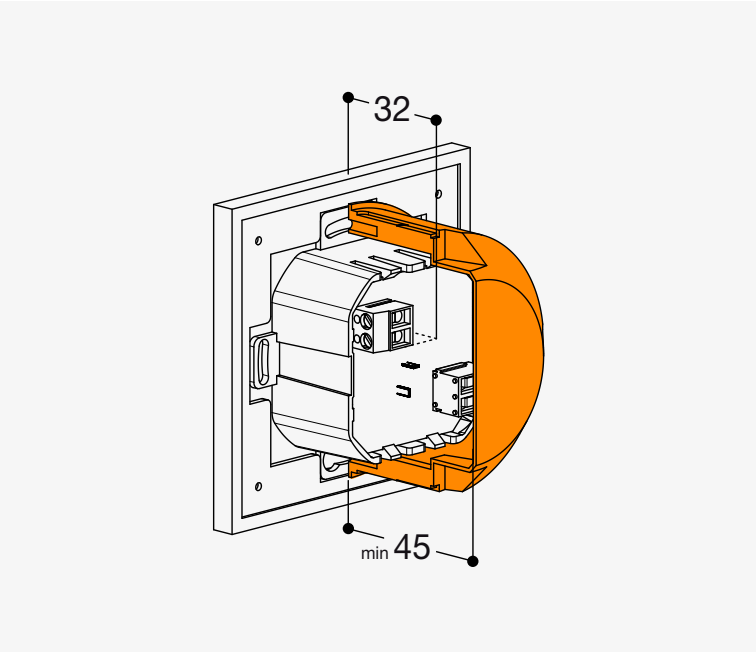
Remarks

- Distance between RGB led luminaires and driver = max. 5m.
- Avoid installations of RGB driver near electronic geared fluorescent installations.
- Please respect max. cable lengths to avoid light level diferences due to voltage drops.



1. Conventional systems

1.3 Dimmer



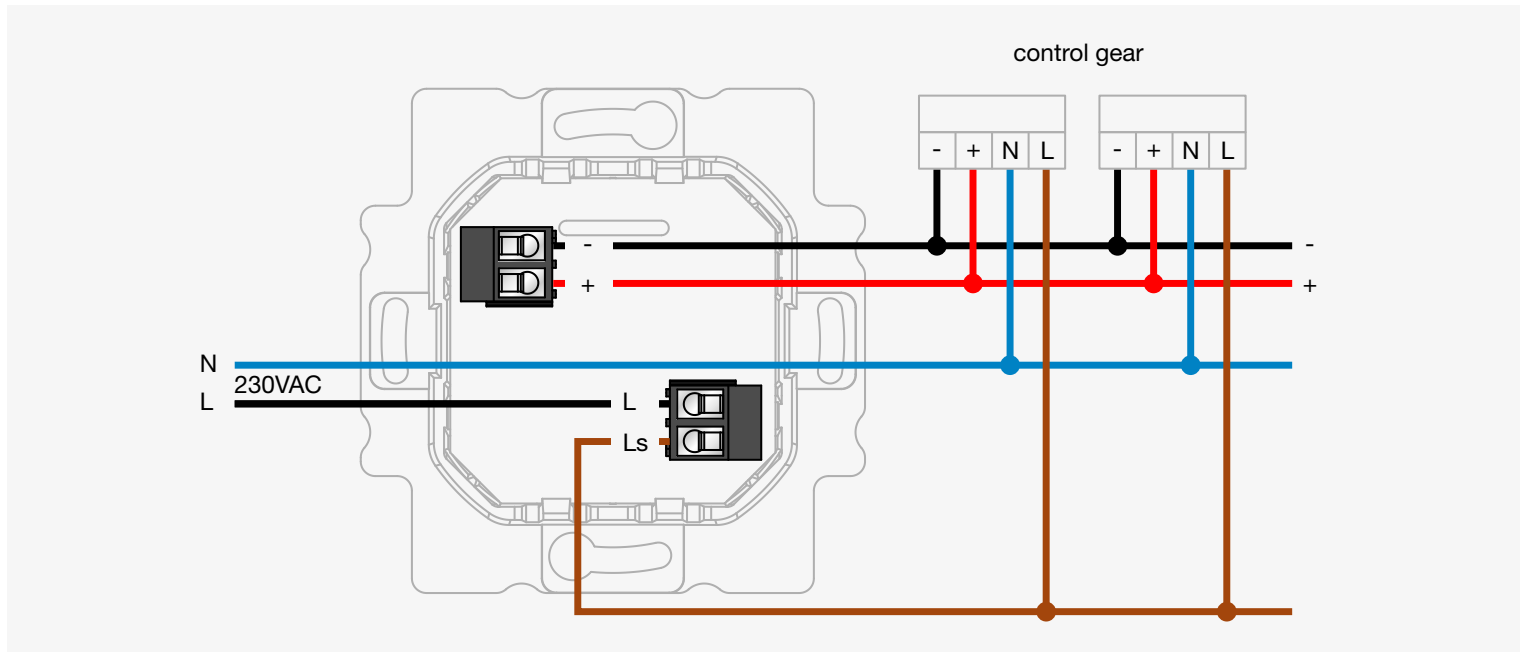
Features

- Universal 1-10V dim controller
- Switching capacity 2A
- Ergonomic button
- Natural feeling

	Type	Ref.
	1-10V	Dm0Dxx
	1-10V	Dm0D0Dxx

xx Add the color code at the end for any color you desire.

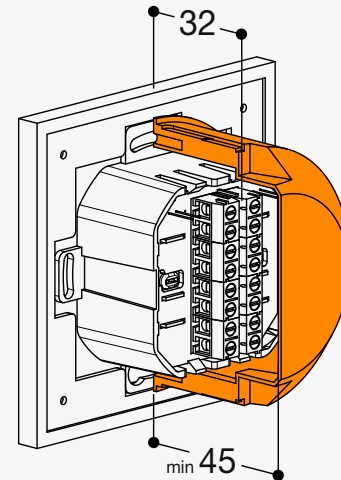




1. Conventional systems

1.4 Toggle switch

17 Bronze Antique



Features

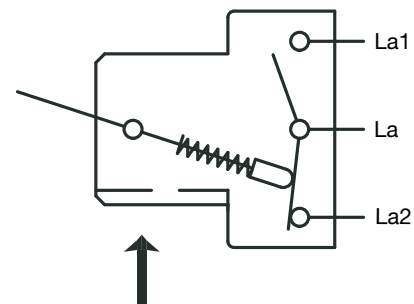
250V - 10A switching capacity

Toggle switch

1 or 2 switches per module

3 possibilities: 2-way, push button & shutter switch

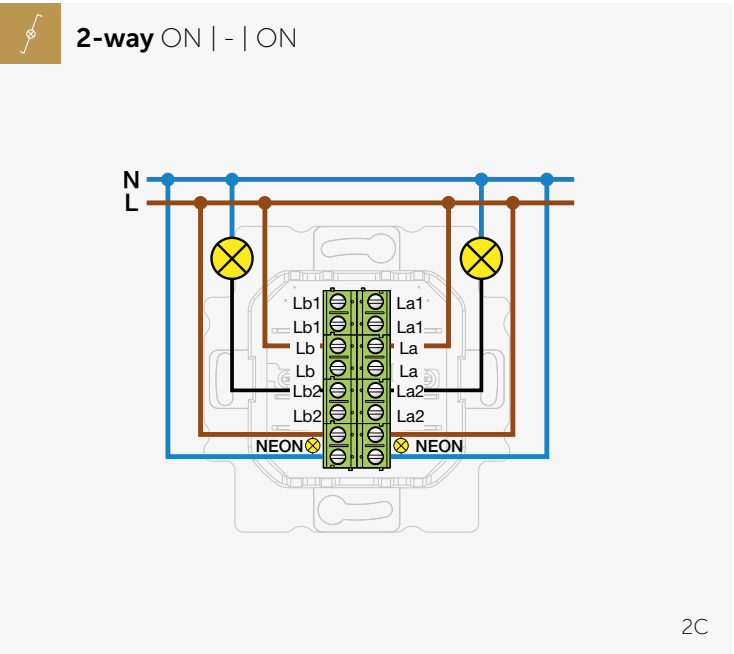
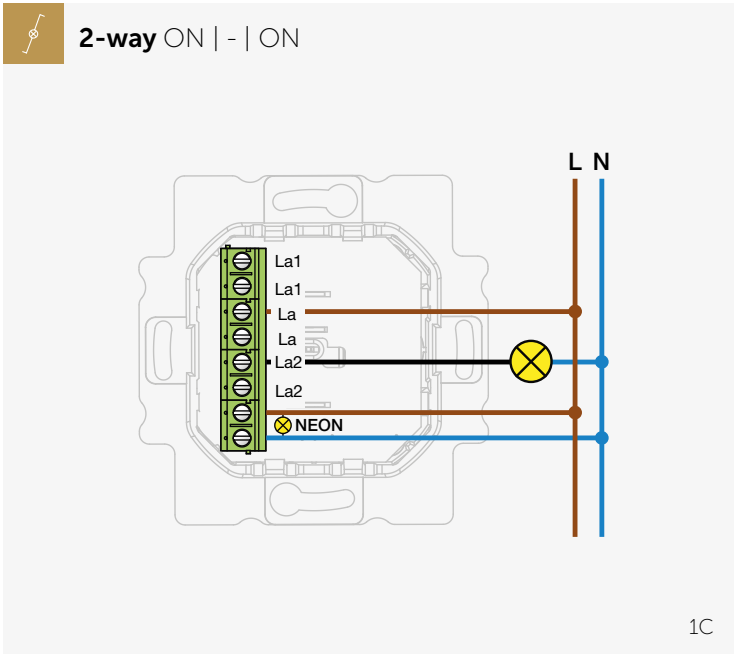
___ Neon feedback light



Remark

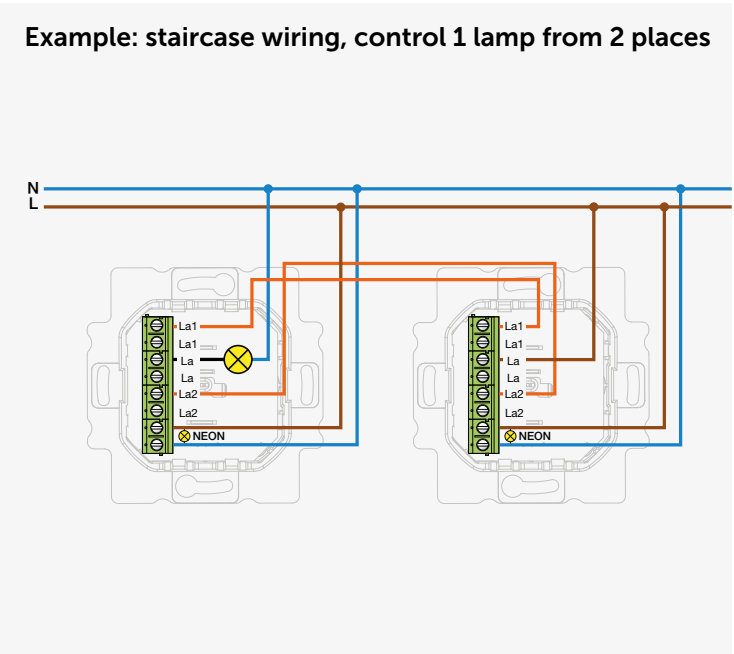
La1: contact on = toggle down

La2: contact on = toggle up



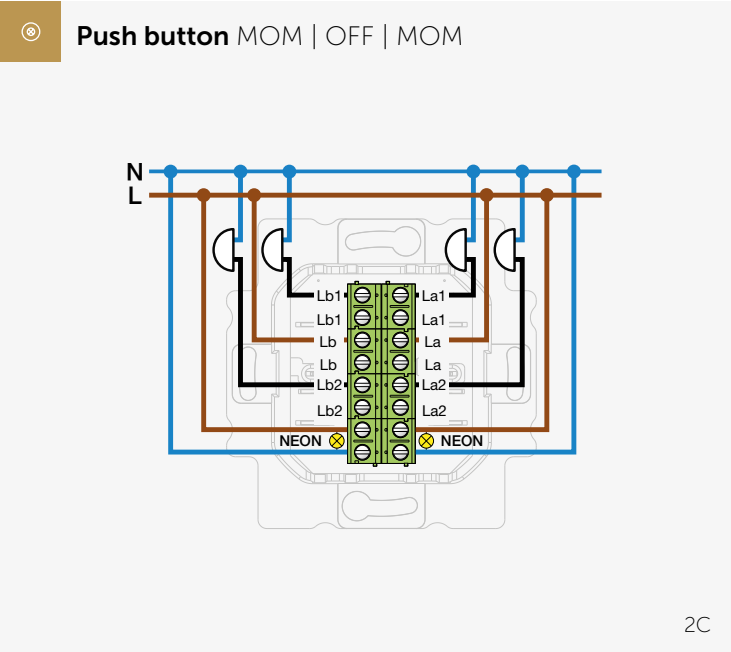
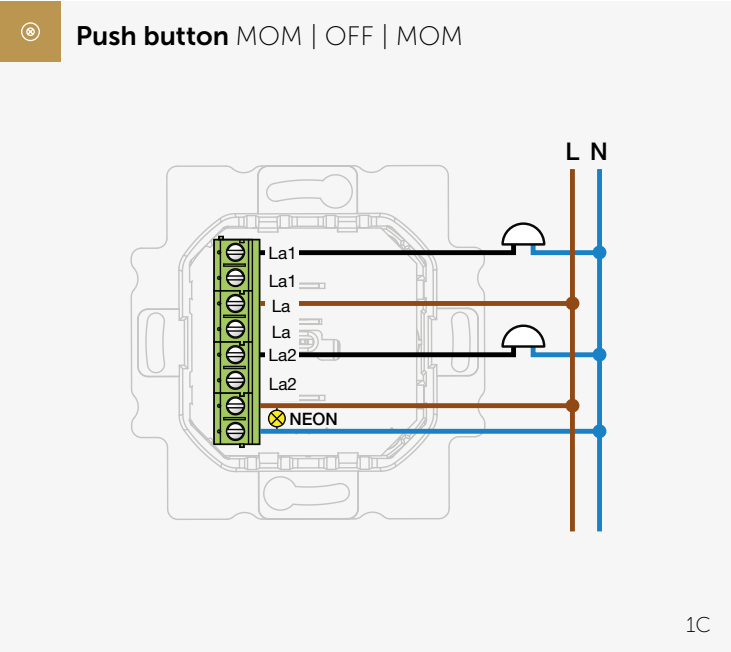
	Technology	Ref.
1C	 250V 2-way	Co11xx
	 250V 2-way + neon	Co41xx
2C	 250V 2-way	Co12xx
	 250V 2-way + neon	Co42xx
11C	 250V 2-way	Co1111xx
	 250V 2-way + neon	Co4141xx
21C	 250V 2-way	Co1211xx
	 250V 2-way + neon	Co4241xx

xx Add the color code at the end for any color you desire.



1. Conventional systems

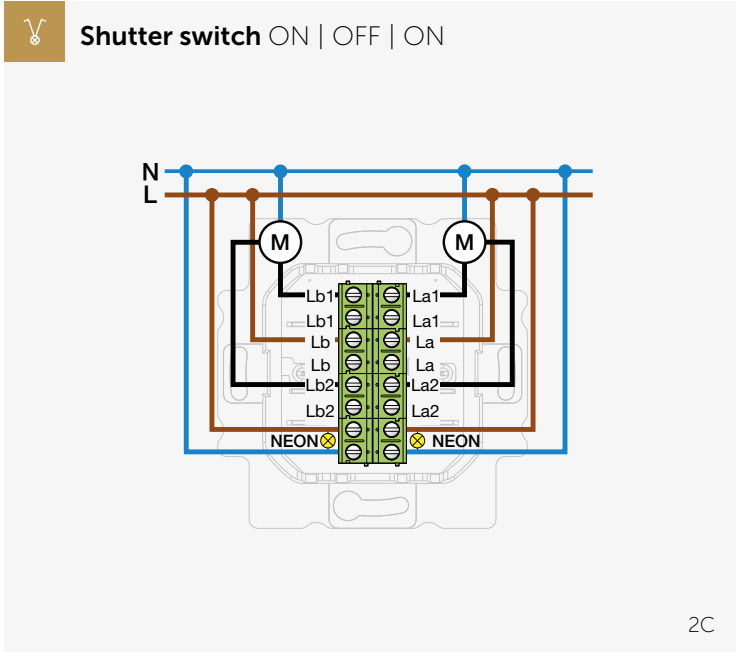
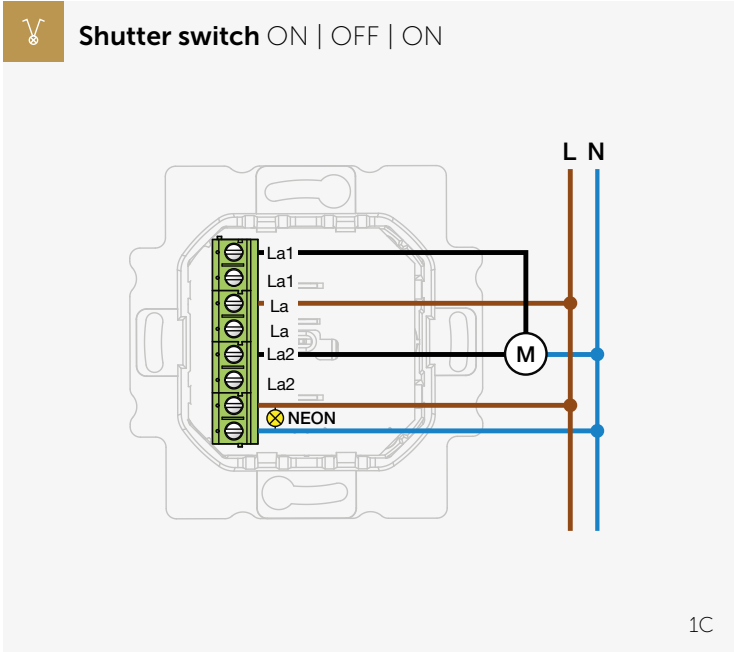
1.4 Toggle switch



	Technology	Ref.
1C	250V shutter	Co21xx
	250V shutter + neon	Co51xx
2C	250V shutter	Co22xx
	250V shutter + neon	Co52xx
11C	250V shutter	Co2121xx
	250V shutter + neon	Co5151xx
21C	250V shutter	Co2221xx
	250V shutter + neon	Co5251xx

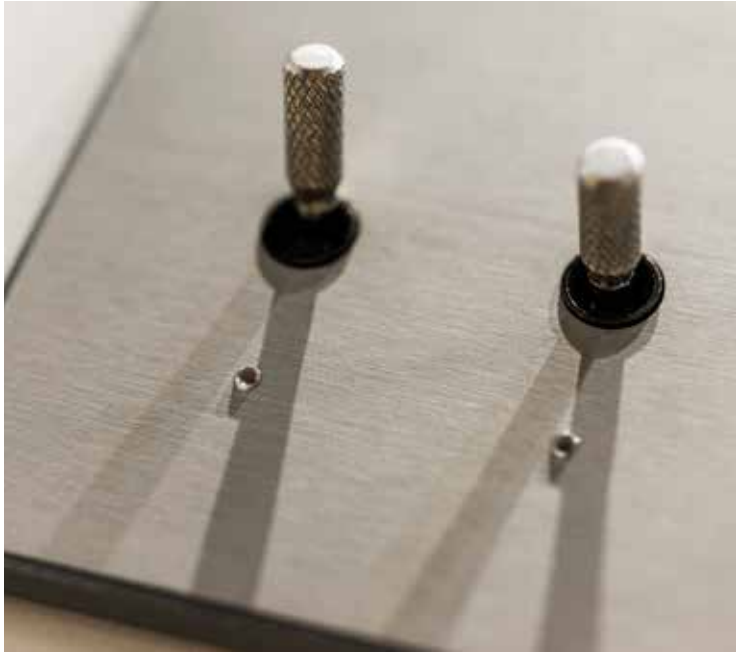
xx Add the color code at the end for any color you desire.





	Technology	Ref.
1C	⊙ 24V-250V push button	Co31xx
	⊙ 24V-250V push + neon	Co61xx
2C	⊙ 24V-250V push button	Co32xx
	⊙ 24V-250V push + neon	Co62xx
11C	⊙ 24V-250V push button	Co3131xx
	⊙ 24V-250V push + neon	Co6161xx
21C	⊙ 24V-250V push button	Co3231xx
	⊙ 24V-250V push + neon	Co6261xx

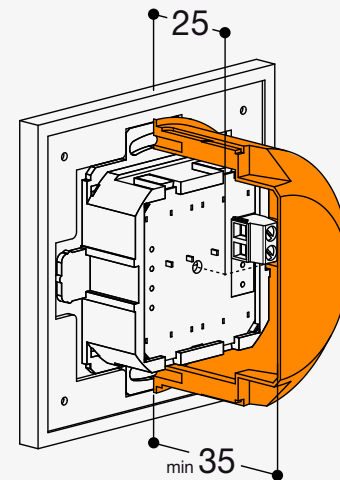
xx Add the color code at the end for any color you desire.



1. Conventional systems

1.5 Push button

08 Chrome

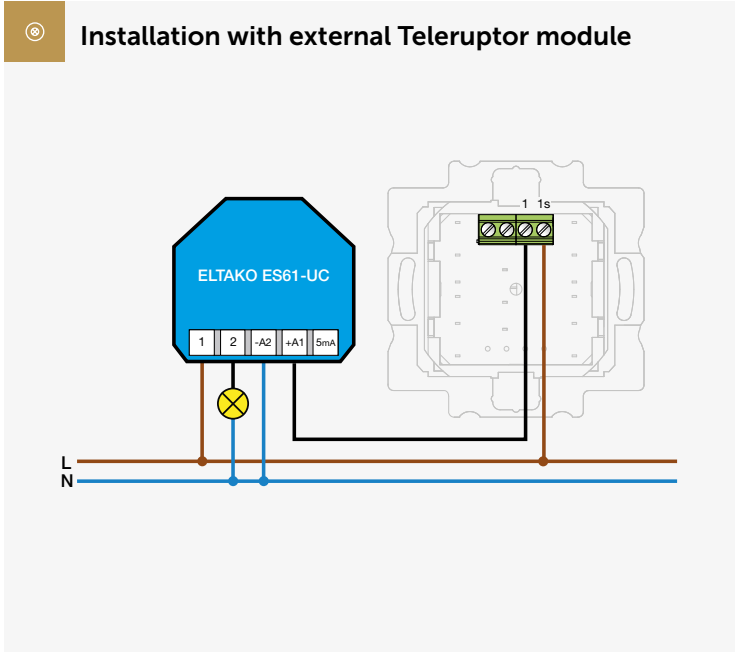
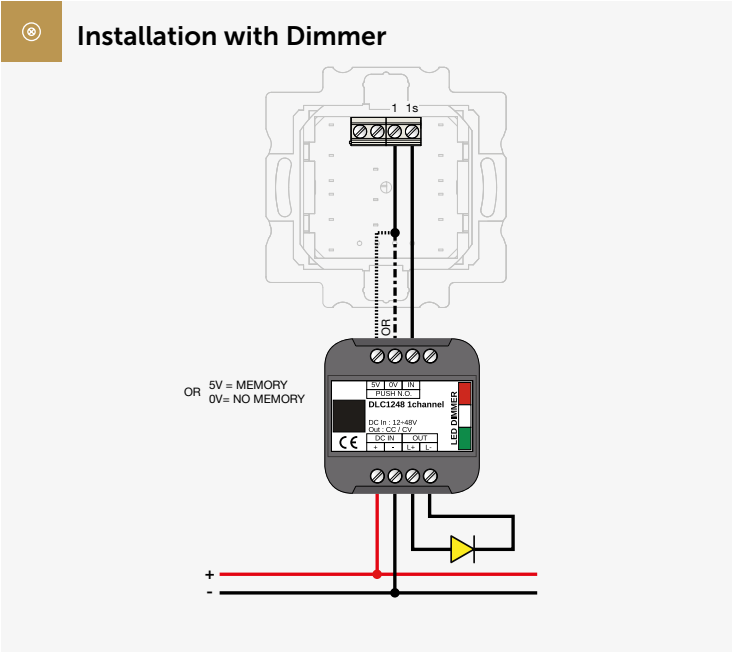


Features

Available in 24V: Æsteem, Piano, Select, Cockpit, Squares, Illume, Britannica

— Available in 250V: Piano, Select, Cockpit, Squares & Britannica





	Product family	Ref.
	Select	Ni31xx
	Squares	Sq31xx
	Select	Ni32xx
	Squares	Sq32xx
	Select	Ni34xx
	Squares	Sq34xx
	Select	Ni3434xx
	Squares	Sq3434xx
	Select	Ni343434xx
	Squares	Sq343434xx

	Product family	Ref.
	Select Flush	NF31xx
	Squares Flush	SF31xx
	Select Flush	NF32xx
	Squares Flush	SF32xx
	Select Flush	NF34xx
	Squares Flush	SF34xx
	Select Flush	NF3434xx
	Squares Flush	SF3434xx

xx Add the color code at the end for any color you desire.

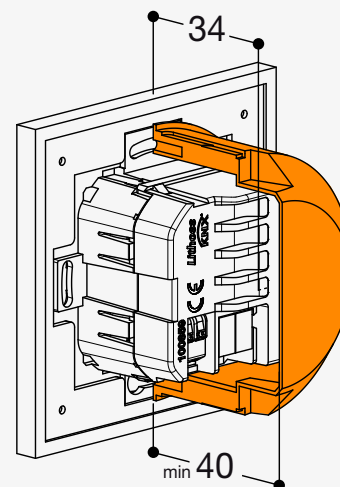


2. Home automation systems

2.1 KNX sensor



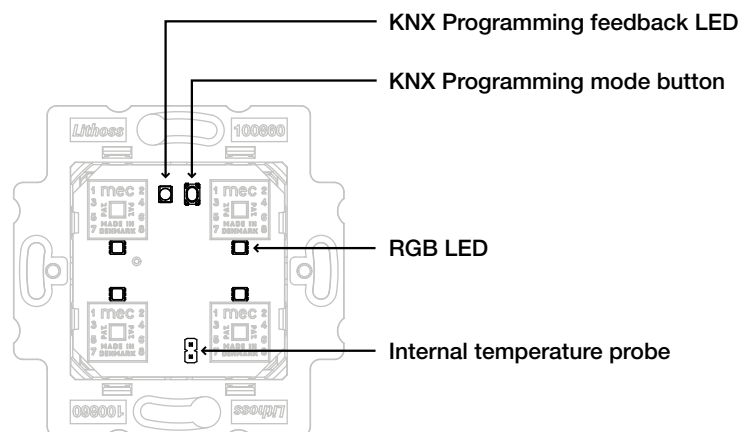
01 Stainless Steel



Power consumption: 4 mA

Features

- Fully integrated KNX sensor.
- Individual RGB led feedback.
- Integrated temperature sensor.
- 1 bit commands: on / off toggle with short / long press.
- 1 byte commands (0-255 / HVAC / value %).
- Orientation light led function.
- Connect external temperature sensor.
- Sequences with different group addresses.
- Scene management.
- Easy set-up (compatible with ETS4 & ETS5).
- Thermostat function.





Led feedback per button



Individual RGB led feedback



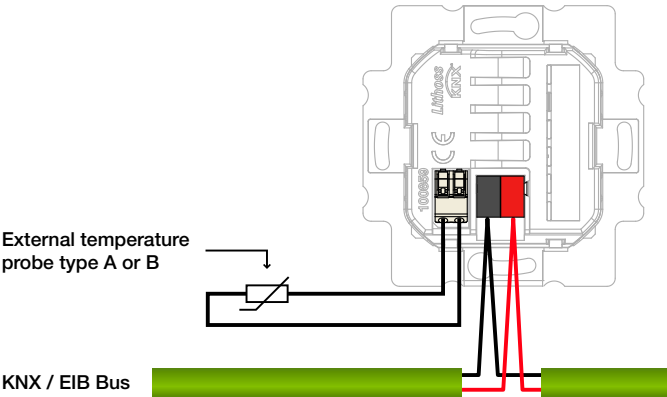
Orientation light with different brightness

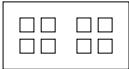
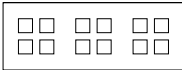


Orientation light with RGB

Optional temperature probes

Acc003	Type A (-20°C / +100°C)
Acc004	Type B (-50°C / +60°C)



	Select	Select Flush	Squares	Squares Flush
	NiK1xx	NFK1xx	SqK1xx	SFK1xx
	NiK2xx	NFK2xx	SqK2xx	SFK2xx
	NiK4xx	NFK4xx	SqK4xx	SFK4xx
	NiK4K4xx	NFK4K4xx	SqK4K4xx	SFK4K4xx
	NiK4K4K4xx	-	SqK4K4K4xx	-

xx Add the color code at the end for any color you desire.

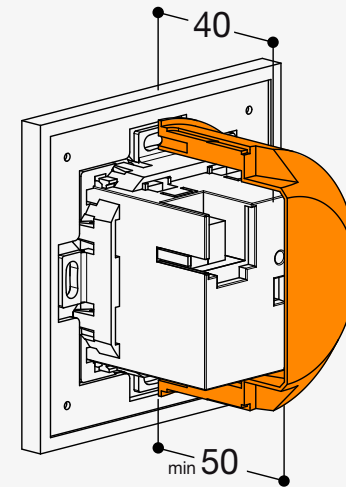


2. Home automation systems

2.2 KNX thermostat



14 Textured Black



Power consumption: 10 mA

Features

- RGB backlit touch display.
- Internal temperature sensor (0 to 40°C).
- External temperature sensor (-20 to 70°C).
- Temperature sensors can be managed by the thermostat.
- Setup different reference temperature.
- Management of different HVAC systems.
- Boost function.
- Humidity measurement.
- Different system protection functions.
- 16 scenarios.





Tip

Adjust the RGB background light with the
— orientation RGB led for the finishing touch.

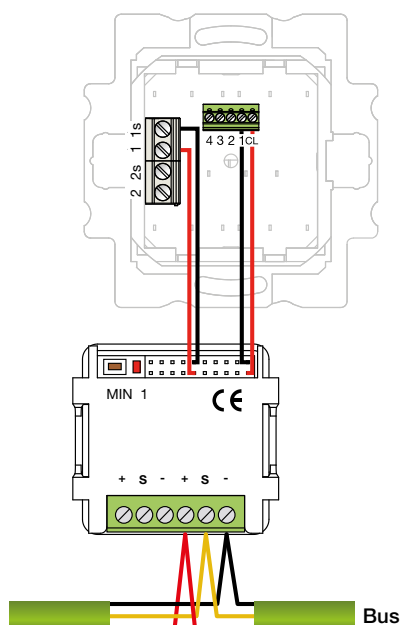
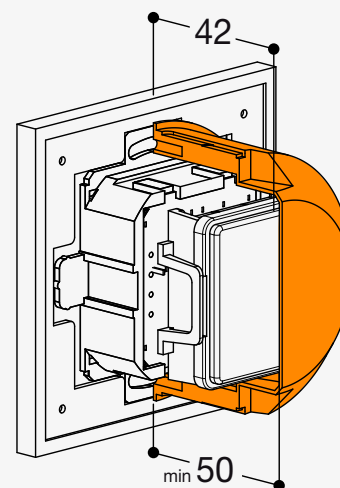


2. Home automation systems

2.3 Luxom



13 Textured White



Features

10 input / output channels.

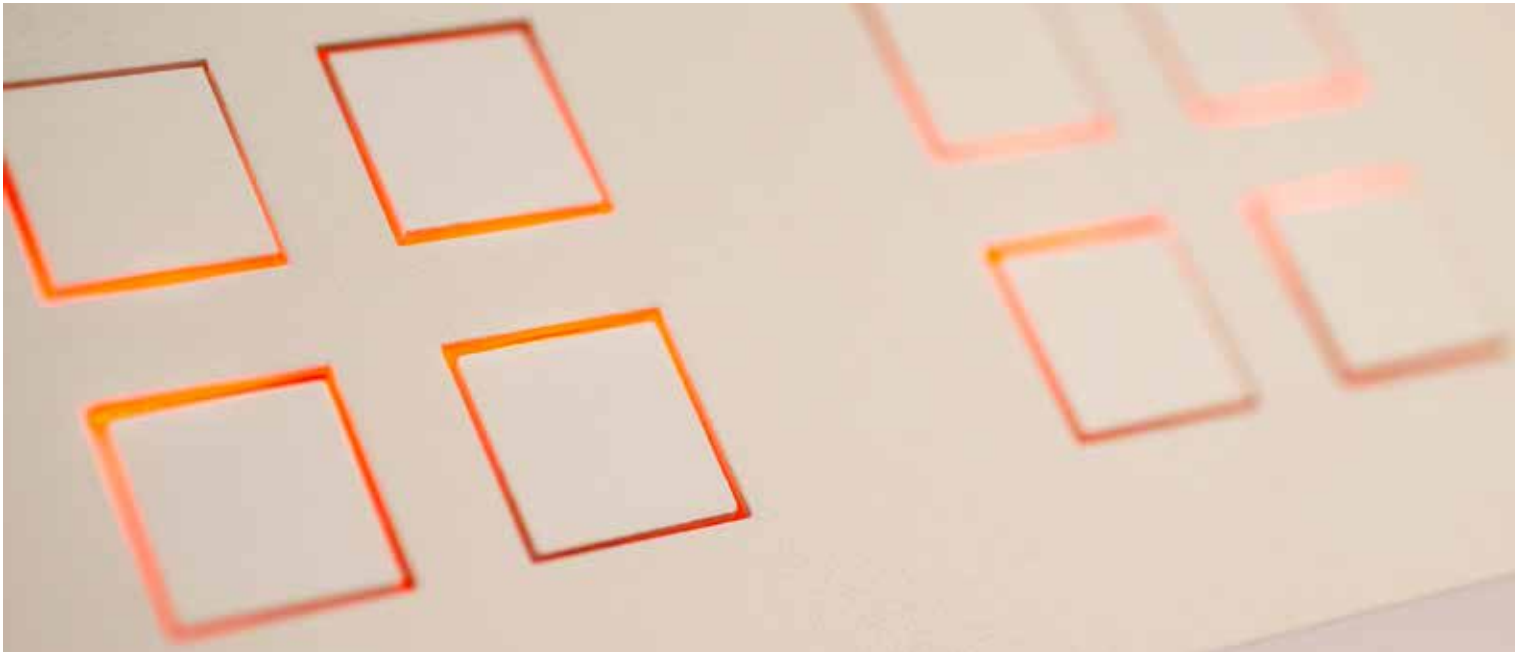
Selected as output: feedback led:
on / off, blinking or inverted.

Selected as input: different functions
possible. Up to 80 actions.

Shift mode: double function.

Short press / long press / double press &
triple press.

— Lock function.



Technical info

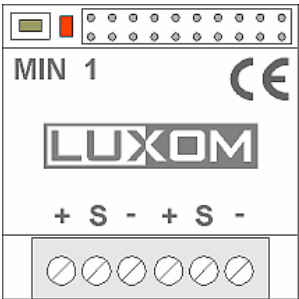
Product ID	101
Operating voltage	24V DC
Power	0.4 VA (max. 0.8 VA)
Connectors	1.5 mm² (looping possible)

Functional info input

# input	10 binary
Type	5V DC (0.5 mA)
Impedance	1.5 kOhm
Maximum distance	10 meter (shielded cable)
Connectors	Via cables DS20D & DS21D

Functional info output

# output	10 Luxom led
Type	5V DC (1.5 mA)
Maximum distance	10 meter (shielded cable)
Connectors	Via cables DS23D ... DS27D

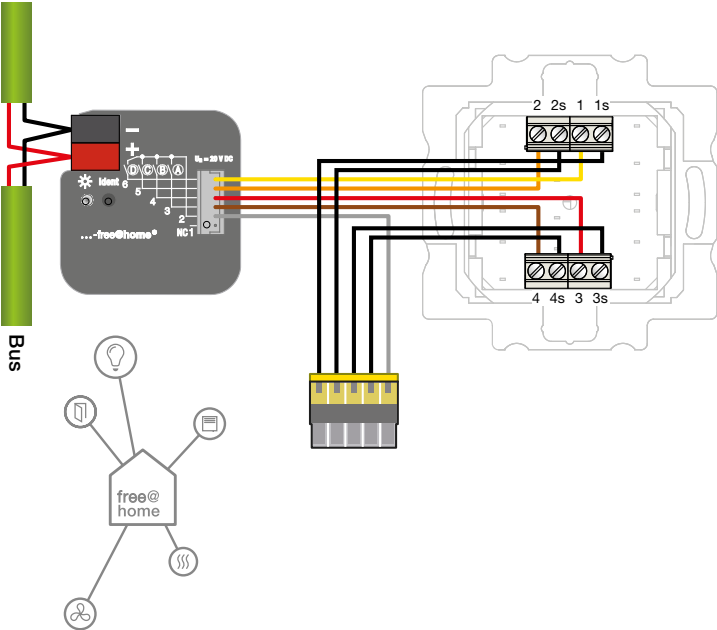
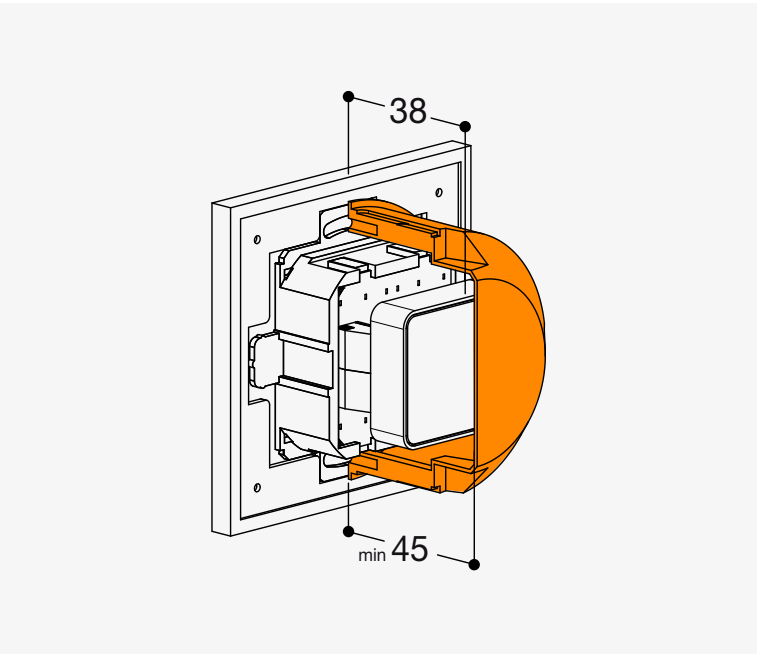
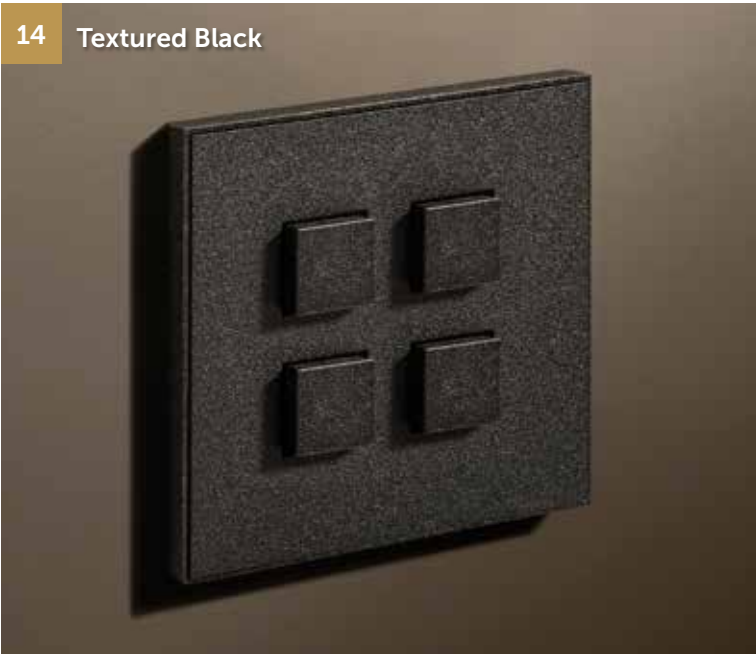


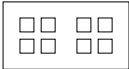
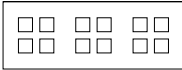
DS03LX



2. Home automation systems

2.4 Free@home

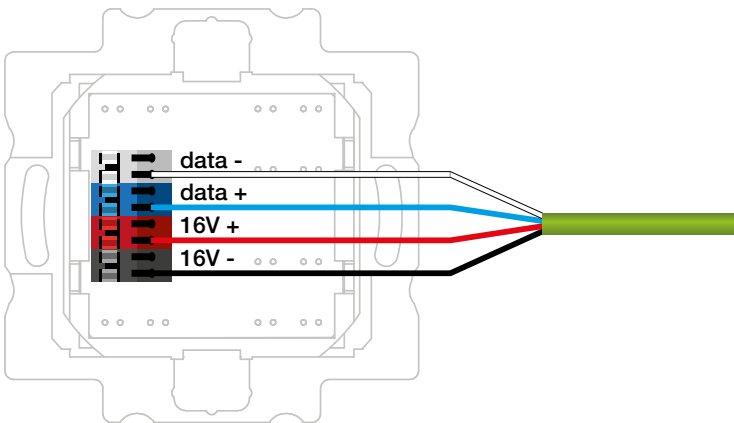
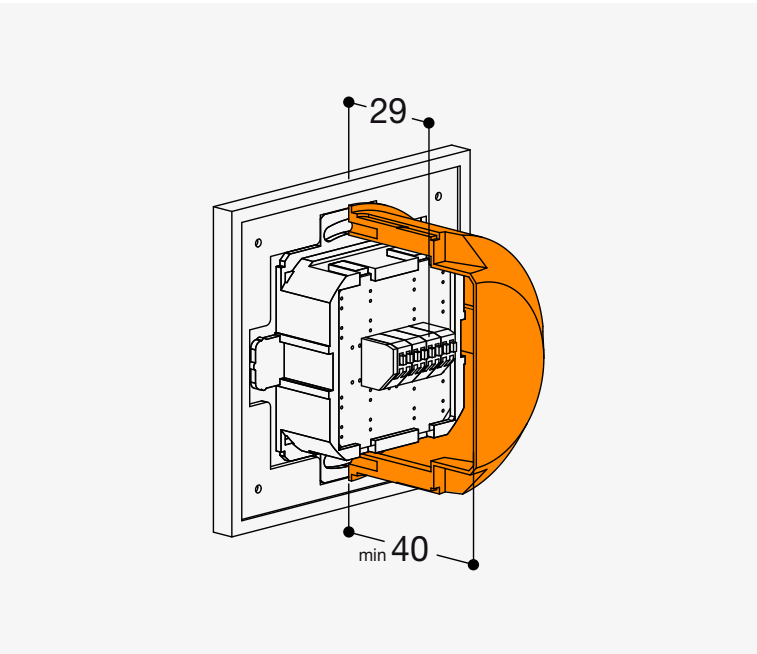


	Product family	Ref.
	Select	NiL1xx
	Squares	SqL1xx
	Select	NiL2xx
	Squares	SqL2xx
	Select	NiL4xx
	Squares	SqL4xx
	Select	NiL4L4xx
	Squares	SqL4L4xx
	Select	NiL4L4L4xx
	Squares	SqL4L4L4xx

xx Add the color code at the end for any color you desire.

2. Home automation systems

2.5 Domintell



	Product family	RGB feedback led
	Select	NiD1xx
	Squares	SqD1xx
	Select	NiD2xx
	Squares	SqD2xx
	Select	NiD4xx
	Squares	SqD4xx
	Select	NiD4D4xx
	Squares	SqD4D4xx
	Select	NiD4D4D4xx
	Squares	SqD4D4D4xx

xx Add the color code at the end for any color you desire.

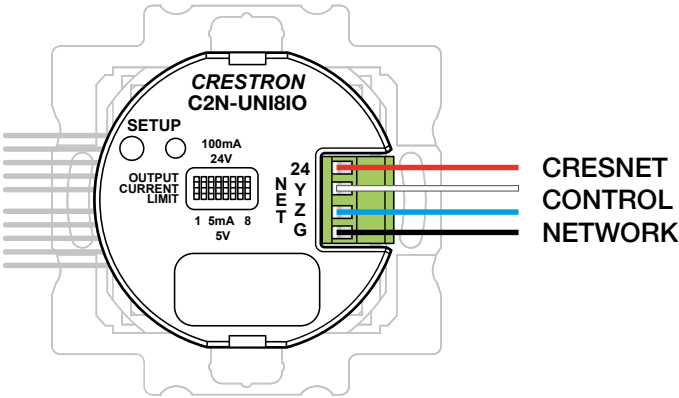
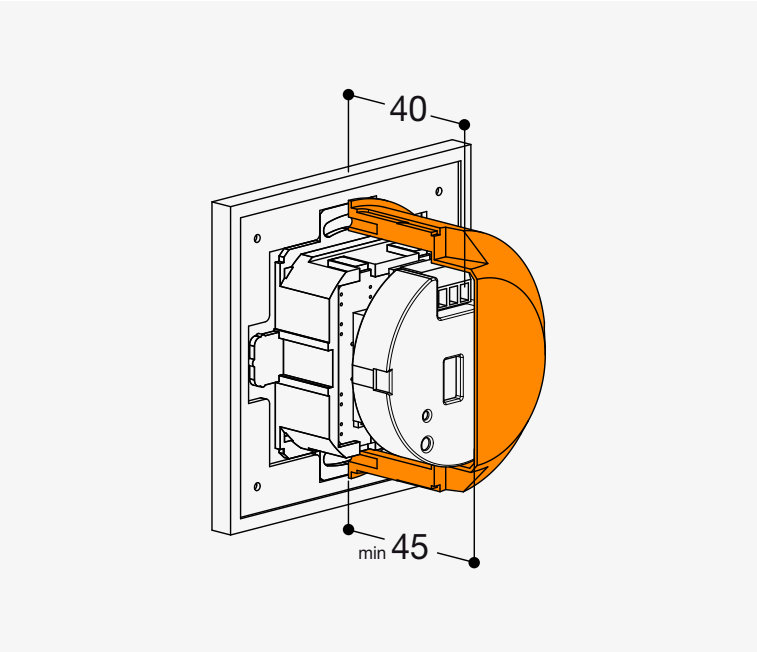


2. Home automation systems

2.6 Crestron



02 Matt White



Specifications

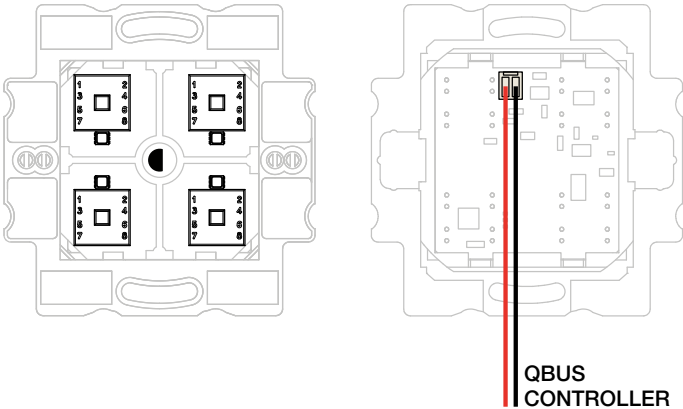
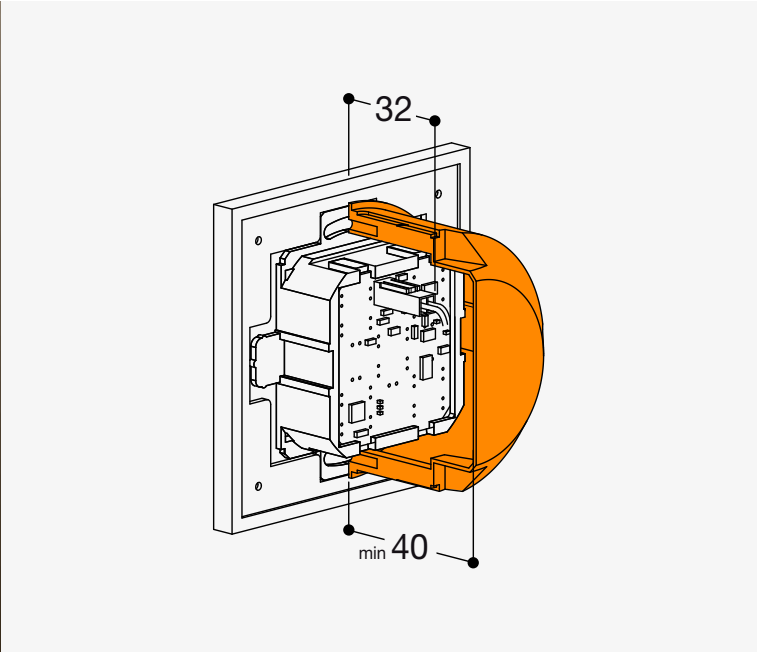
Plug & Play compatible with Crestron interface (interface not included).
One interface can be combined with 8 push buttons (44T).

	Product	No led	Amber led	White led
	Select	NiB1xx	NiC1xx	NiJ1xx
	Squares	SqB1xx	SqC1xx	SqJ1xx
	Select	NiB2xx	NiC2xx	NiJ2xx
	Squares	SqB2xx	SqC2xx	SqJ2xx
	Select	NiB4xx	NiC4xx	NiJ4xx
	Squares	SqB4xx	SqC4xx	SqJ4xx
	Select	NiB4B4xx	NiC4C4xx	NiJ4J4xx
	Squares	SqB4B4xx	SqC4C4xx	SqJ4J4xx
	Select	NiB4B4B4xx	NiC4C4C4xx	NiJ4J4J4xx
	Squares	SqB4B4B4xx	SqC4C4C4xx	SqJ4J4J4xx

xx Add the color code at the end for any color you desire.

2. Home automation systems

2.7 Qbus



Motion detection sensor available.

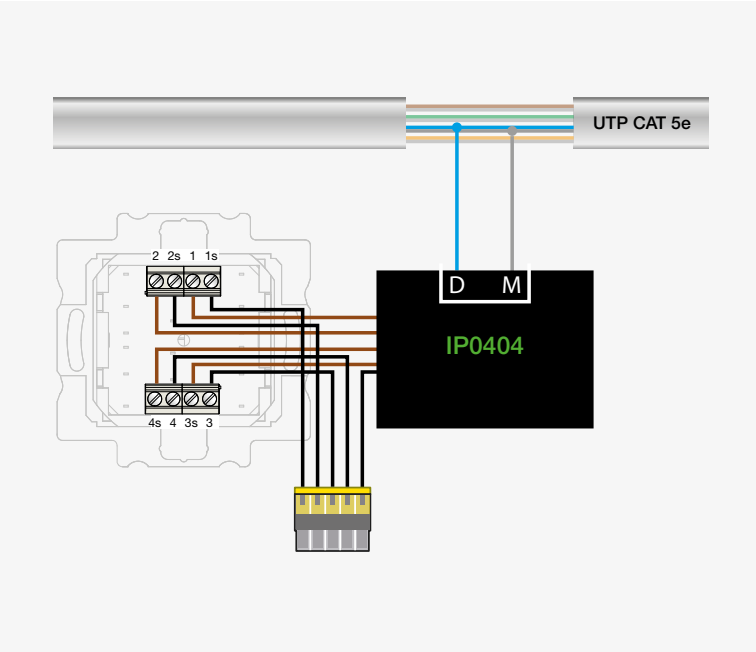
	Product family	RGB led	RGB led + temp
	Select	NiQ1xx	-
	Squares	SqQ1xx	-
	Select	NiQ2xx	NiR2xx
	Squares	SqQ2xx	SqR2xx
	Select	NiQ4xx	NiR4xx
	Squares	SqQ4xx	SqR4xx
	Select	NiQ4Q4xx	NiR4R4xx
	Squares	SqQ4Q4xx	SqR4R4xx
	Select	NiQ4Q4Q4xx	NiR4R4R4xx
	Squares	SqQ4Q4Q4xx	SqR4R4R4xx

xx Add the color code at the end for any color you desire.



2. Home automation systems

2.8 IPbuilding



Type	Ref.
Badgereader	LiPB05xx



Type	Ref.
Motion detector	LiPB03xx



Type	Ref.
Temp. sensor	LiPB01xx

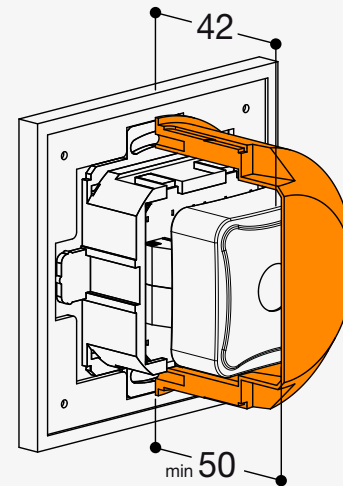


2. Home automation systems

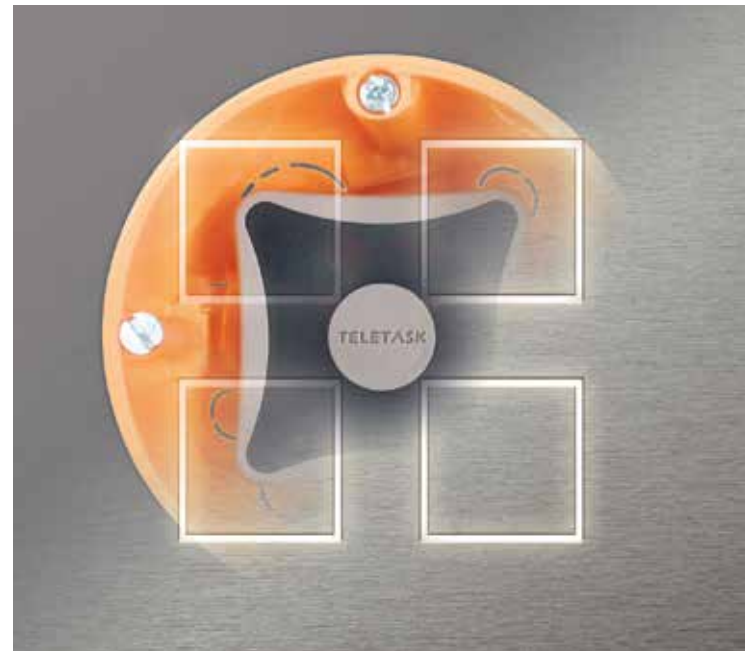
2.9 Other compatible systems - Example Teletask



03 Gunpowder Black (Fusain)



Lithoss 24V push buttons are compatible with Teletask by using cookies. Use cookies with feedback in combination with Lithoss switches + integrated led feedback.



2. Home automation systems

2.10 Overview other compatible systems

Lithoss 24V pushbuttons are compatible with almost every home automation system by using an interface. Below you will find the most common interface modules that can be used in combination with Lithoss push buttons.

Manufacturer	System	Product Code	# Channels	LED feedback	Dimensions
ABB/Busch Jaeger	Busch-free@home	6241/2.0 U	2	No	39 x 40 x 12 mm
ABB/Busch Jaeger	Busch-free@home	6241/4.0 U	4	No	39 x 40 x 12 mm
ABB/Busch Jaeger	EIB/KNX	US/U 2.2	2	Yes	39 x 40 x 12 mm
ABB/Busch Jaeger	EIB/KNX	US/U 4.2	4	Yes	39 x 40 x 12 mm
Berker	EIB/KNX	7564 20 01	2	Yes	43 x 29 x 16 mm
Berker	EIB/KNX	7564 40 01	4	Yes	43 x 29 x 16 mm
Berker	EIB/KNX	7564 80 01	8	Yes	44 x 48 x 32 mm
Bticino	My Home	3477	2	No	41 x 41 x 18 mm
Clipsal	C-Bus	5104BCL	4	No	55 x 49 x 19 mm
Clipsal	C-Bus	5102BCLEDL	2	Yes	55 x 49 x 19 mm
Conson	EIB/KNX	XP28	4	Yes	45 x 45 x 10 mm
Control4	Control4	C4-DCIM4	4	Yes	48 x 48 x 10 mm
Crestron	Cresnet	CH-UNI8IO	8	Yes	50 x 42 x 24 mm
Domintell	Domintell	DISM04	4	Yes	46 x 28 x 15 mm
Domintell	Domintell	DISM08	8	Yes	46 x 28 x 15 mm
Eelectron	EIB/KNX	AD84A02KNX	4	Yes	43 x 36 x 24 mm
Eelectron	EIB/KNX	IO22C02KNX	2	Yes	43 x 36 x 17 mm
Eelectron	EIB/KNX	IO44C02KNX	4	Yes	43 x 36 x 17 mm
Jung	EIB/KNX	2076-2 T	2	Yes	43 x 28 x 16 mm
Jung	EIB/KNX	2076-4 T	4	Yes	43 x 28 x 16 mm
Gira	EIB/KNX	1118 00	2	No	44 x 29 x 16 mm
Gira	EIB/KNX	1119 00	4	No	44 x 29 x 16 mm
Hager	EIB/KNX	TX 302	2	No	38 x 35 x 12 mm
Hager	EIB/KNX	TX 304	4	No	38 x 35 x 12 mm
Hager	EIB/KNX	TX 344	4	Yes	38 x 35 x 12 mm

*Note: this list is not complete. For other brands, please contact us.



Manufacturer	System	Product Code	# Channels	LED feedback	Dimensions
IPBuilding	IPBuilding	IP0401	1	No	20 x 20 x 13 mm
IPBuilding	IPBuilding	IP0402	2	No	20 x 20 x 13 mm
IPBuilding	IPBuilding	IP0404	4	No	30 x 20 x 15 mm
IPBuilding	IPBuilding	IP0406	6	No	30 x 20 x 15 mm
IPBuilding	IPBuilding	IP0402FB	2	Yes	20 x 20 x 13 mm
IPBuilding	IPBuilding	IP0406FB	6	Yes	30 x 20 x 15 mm
Loxone	Smart Home	-	-	-	DIN rail module
Lutron	Grafik Eye	GRX-WCI	2	No	59 x 59 x 20 mm
Luxom	Luxom	DS03LX	10 (input or output)	Yes	40 x 40 x 15 mm
Merten	EIB/KNX	KNX 670802	2	Yes	30 x 40 x 12 mm
Merten	EIB/KNX	KNX 670804	4	Yes	30 x 40 x 12 mm
Niko	Niko Home Control	550-20000	4	No	40 x 27 x 5 mm
One Smart control	One Smart control	-	-	-	One. component
Osram	Dali	DALI PRO PB Coupler	4	No	42 x 42 x 20 mm
Osram	Lightify (Zigbee)	LIGHTIFY Pro PBC	4	No	45 x 45 x 18 mm
Qbus	Qbus	INP02	2	Yes	41 x 40 x 12 mm
Qbus	Qbus	INP04	4	Yes	41 x 40 x 12 mm
Siemens	EIB/KNX	5WG1 220-2AB02	4	No	38 x 43 x 18 mm
Siemens	EIB/KNX	5WG1 220-2AB13	2	No	38 x 43 x 18 mm
Siemens	Dali	5WG1 141-2AB71	4	No	-
Teletask	Teletask	TDS12124	4	No	42 x 42 x 16 mm
Teletask	Teletask	TDS12125	4	Yes	42 x 42 x 22 mm
Theben	EIB/KNX	TA 2 496 9 202	2	Yes	37 x 37 x 10 mm
Theben	EIB/KNX	TA 4 496 9 204	4	Yes	37 x 37 x 10 mm
Theben	EIB/KNX	TA 6 496 9 206	6	Yes	37 x 37 x 10 mm

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