

Profiled



CABLE TO STRIP CONNECTORS

Installation Manual

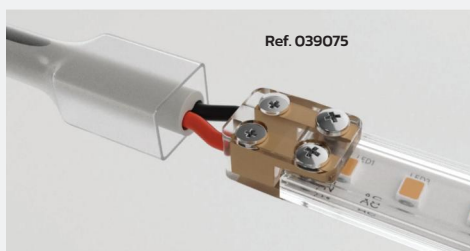


Driverless.
Endless.
Magical.

ACCESSORIES + TOOLS



TERMINAL BLOCK (12×4mm)



Applicable products

General Series G60/G120/G140
Elevator Series E30/E60

Compatible cables and strips:



Profiled's Strips
12 × 4mm IP65 or IP67



Double-Isolated Cable
Range 2 × 0.5 mm² – 2 × 1.0 mm²

Tools needed:



Screwdriver PH0



Scissors

Connector kit:



1 × Power Cap



1 × End Cap



Terminal block connector
Ref. 039075



2 × Screws M2 × 4.75 mm (Strip)



2 × Screws M2 × 4 (Cable)



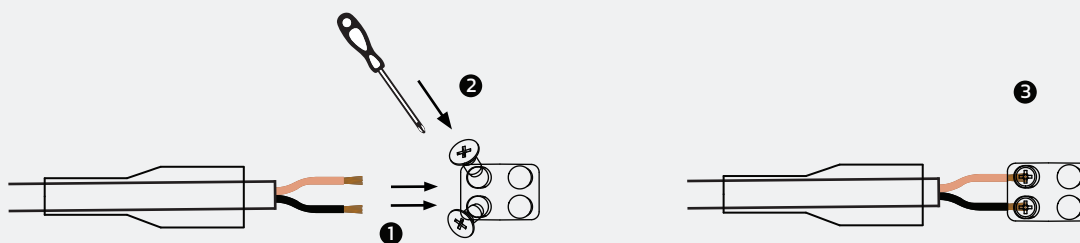
RTV Silicone Glue

USER MANUAL

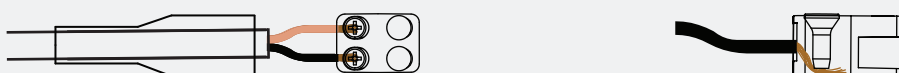
Peel the cable jackets and insert the power cap as indicated.



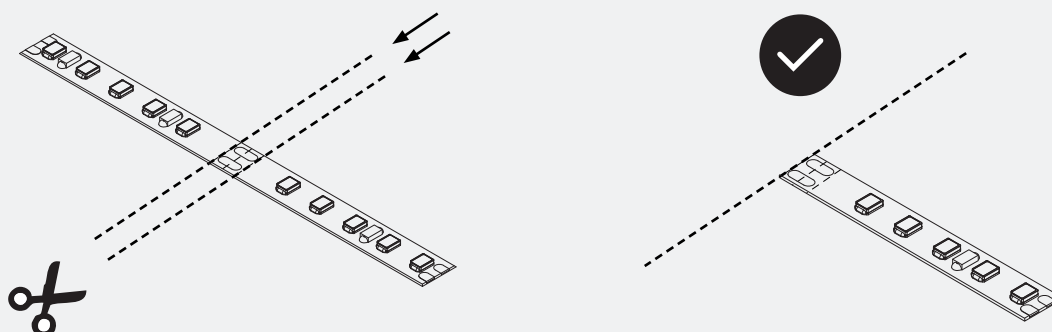
Insert each cable into the terminal block on the side, and use the screwdriver to apply proper torque to the M2 x 4 mm screws until the cables are tightly fastened.



The entire length of the peeled cable must be inside the block.

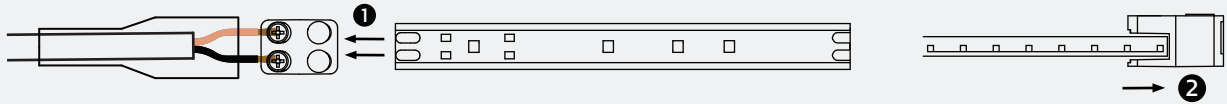


Cut the strip only along the indicated cutting lines.
Strip Max. External dimension must be 12 x 4 mm or 12 x 5 mm (For both IP65 and IP67).

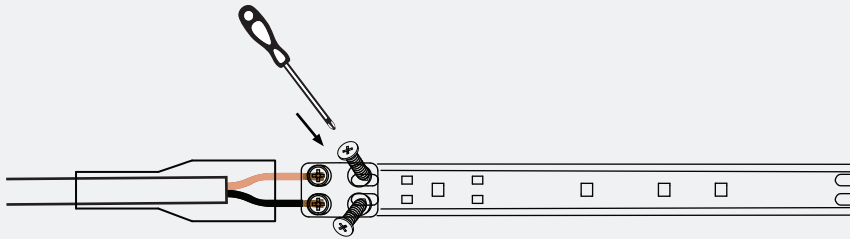


USER MANUAL

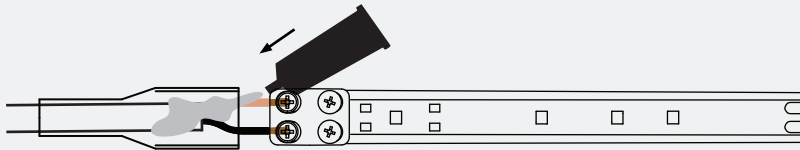
Insert the strip into the connector fully, as indicated in the picture (with LEDs facing up).



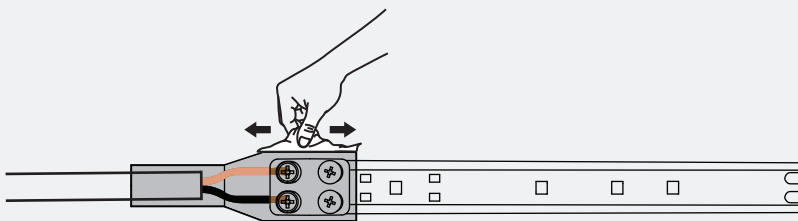
With the strip properly inserted, fasten the M2 × 4.75 mm or M2 × 5.75 mm screws using a PHO screwdriver until fully tightened. The final position of the head of the screw must be inside the connector.



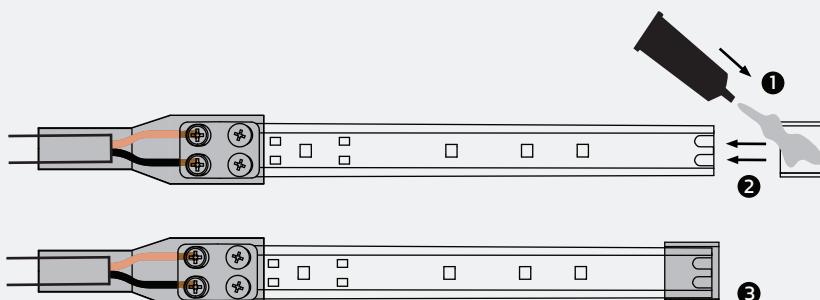
Apply silicone glue inside the silicone cap; at least half of the cavity must be filled.



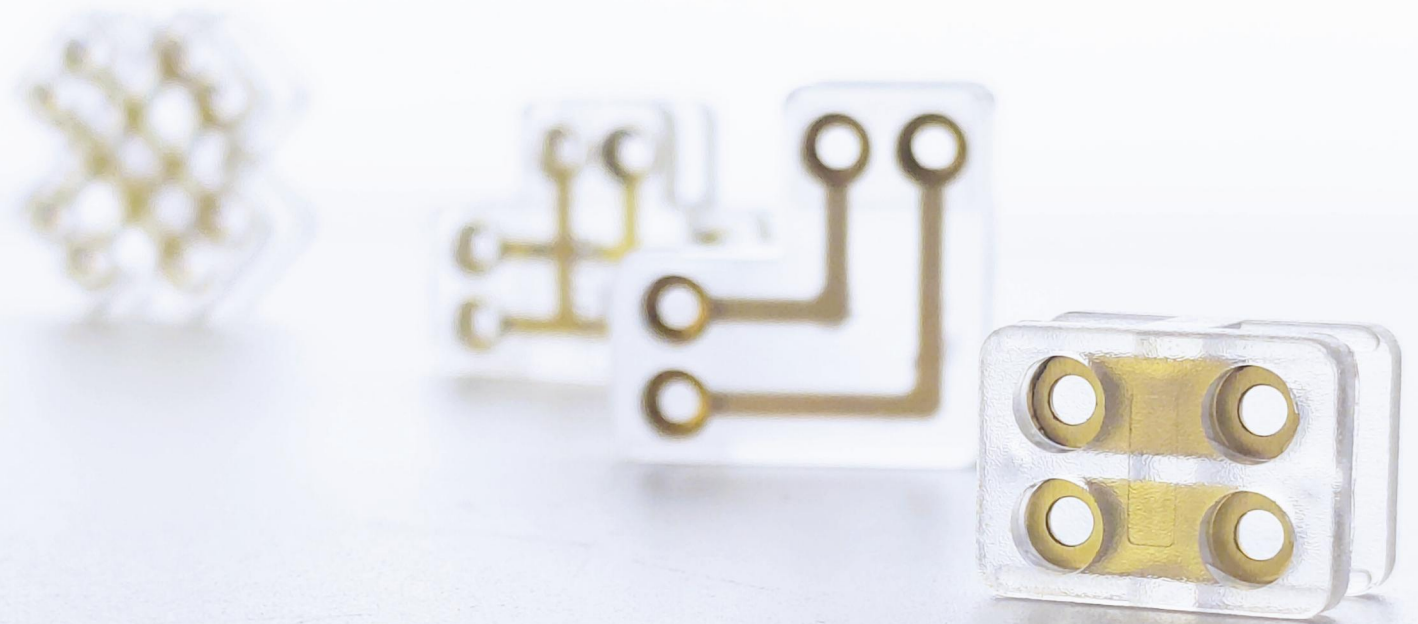
Slide the silicone cap over the connector and remove any excess silicone glue.



For safety reasons, the end of the strip must be covered with the silicone end cap. Apply sealant and insert the strip into the cap. Note on curing time: **Do not** handle the product within 2 hours after the glue has been applied. The total curing time is 24 hours.



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STRIP TO STRIP CONNECTORS

Installation Manual



ACCESSORIES + TOOLS



STRIP TO STRIP CONNECTORS (12 × 4 mm)

Bridge
Ref. 039014



T
Ref. 039015



Cross
Ref. 039016



90° Vertical
Ref. 039182



90° Flat
Ref. 039164



Applicable products

General Lighting Series G60/G120/G140
Elevator Lighting Series E30/E60

Compatible cables and strips:



Profiled's Strips
12 × 4mm IP65 or IP67



Double-Isolated Cable
Range 2 × 0.5 mm² – 2 × 1 mm²

Tools needed:



Screwdriver PH0



Scissors

Connector kit:



1 × Power Cap



1 × End Cap



Connectors
Ref. 039014/039015
039016/039182/039164



2 × Screws M2 × 4.75 mm (Strip)

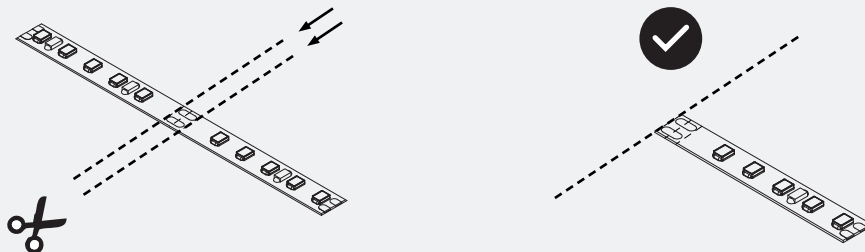


RTV Silicone Glue

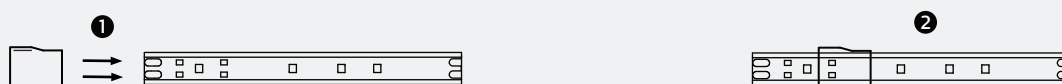
USER MANUAL

Cut the strip only along the indicated cutting lines.

The strip's maximum external dimensions must be 12×4 mm or 12×5 mm (for both IP65 and IP67).



Insert the power cap as indicated.

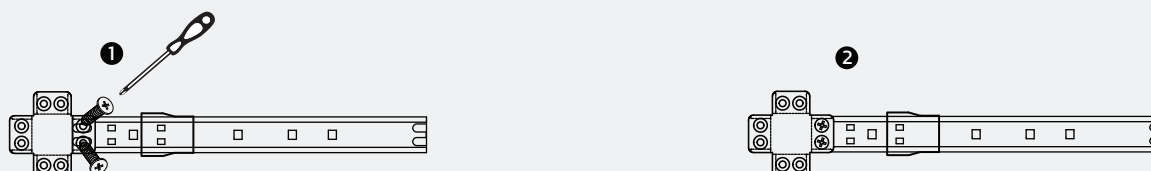


Insert the strip into the connector fully, as shown in the illustration.



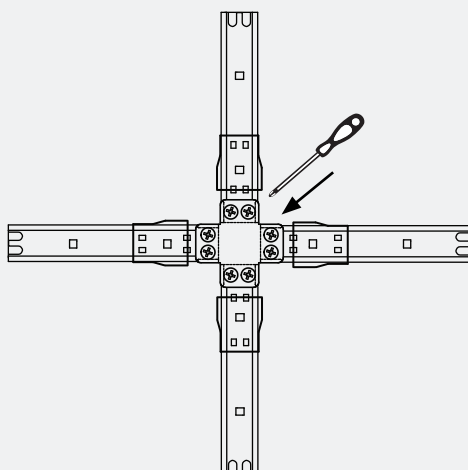
With the strip properly inserted, fasten the $M2 \times 4.75$ mm or $M2 \times 5.75$ mm screws using a PH0 screwdriver until fully tightened.

The final position of the head of the screw must be inside the connector.



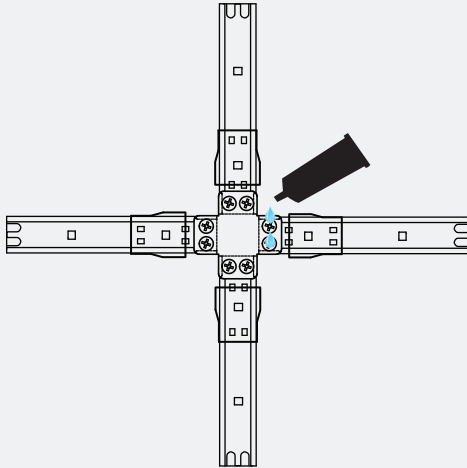
Insert the other strips in the other three ends of connector until the end as indicated.

Then screw the $M2 \times 4.75$ mm or $M2 \times 5.75$ mm screws using a PH0 screwdriver until the limit.

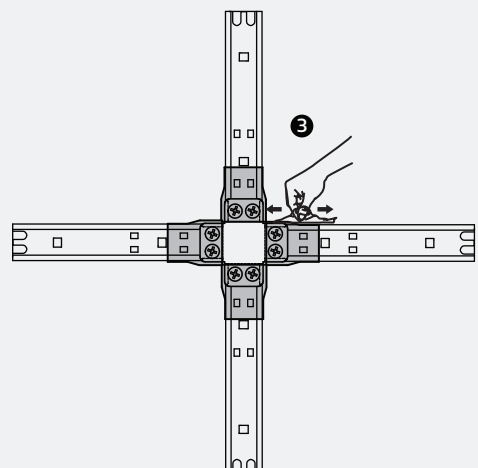
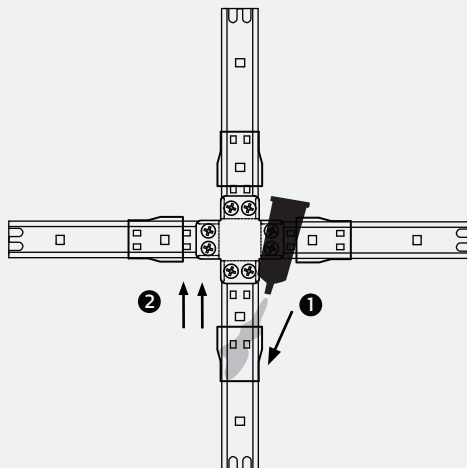


USER MANUAL

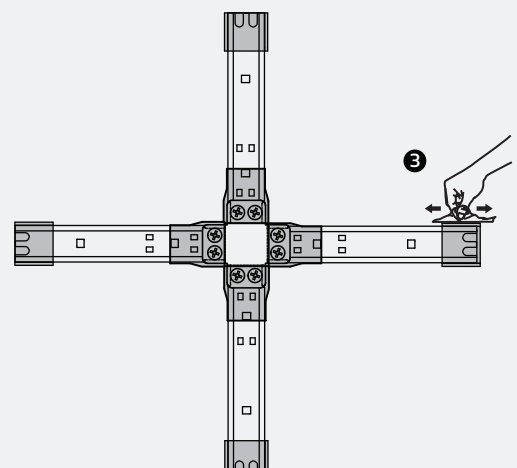
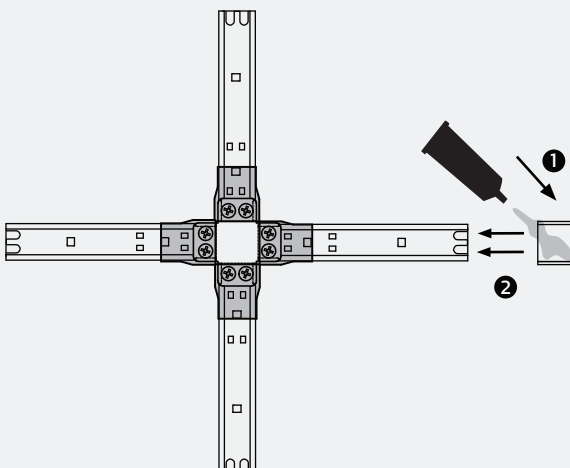
Apply silicone glue to the screw to prevent loosening.



Apply silicone glue inside the power cap; at least half of the cavity must be filled.
Slide the silicone cap over the connector and remove any excess silicone glue.



For safety reasons, the end of the strip must be covered with the end cap. Apply sealant, insert the strip into the cap, and remove any excess silicone glue.
Note on curing time: **Do not** handle the product within 2 hours after the glue has been applied. The total curing time is 24 hours.



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ENERGY GUARD DIMMER

Ref. 039205

Ref. 039205

ENERGY GUARD DIMMER



Dimmable



Timer



Plug &
Play



IP68



IK08

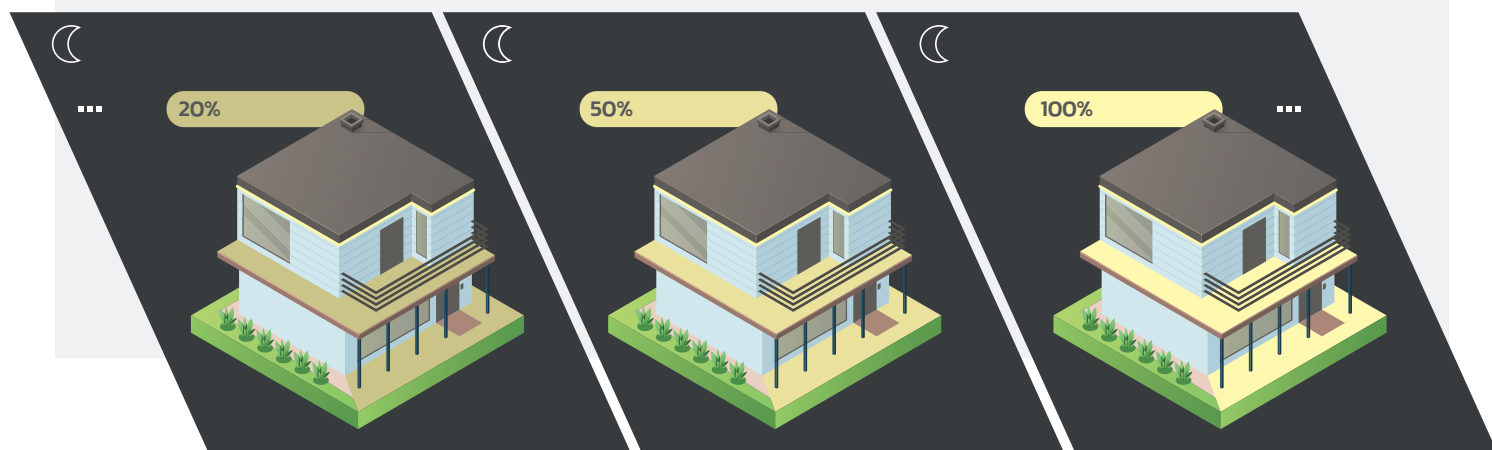


Daylight Relay

With ENERGY GUARD DIMMER, optimize the energy consumption of your LED strips.

This device allows you to reduce the brightness of the lighting, achieving energy savings of up to 80% after working hours, without compromising functionality or light quality. In addition to lowering energy consumption, it also helps to reduce the light pollution, promoting a more sustainable environment.

A system capable of controlling up to 100 meters of LED strips, ENERGY GUARD DIMMER not only takes care of the environment but also your budget, making efficiency more accessible than ever.



			
• Linkable up to 100m Flex LED Strip 100m or 1500W.	• Mounting plate for installation on wall or mast.	• Timer- Controlled dimming with theben digital timer.	• Saves up to 80% of energy.
			
• Can be connected in series with Flex back-up battery.	• Adjustable dimming of flex LED strip down to 20-50% of light.	• Easy installation with quick connectors.	• Compact dimensions and low weight.
			
• Minimizes energy consumption and light pollution.	• Quick connectors to LED Strip and incoming cable for easy change between different type of plugs.	• Warranty 3 years.	



TECHNICAL SPECIFICATION

Voltage	220-240VAC +/-10% 50/60Hz.
IK	IK08.
IP	IP65.
Working temperature	-20°C to +45°C.
Maximum connectable lenght	1500W.
Material	Polycarbonate with aluminium bracket.
Dimensions	90 x 135 x 195 cm.
Weight	1,25 kg.

ENERGY GUARD DIMMER

The dimmer Box



1. Press the override button "IN"

- Digital timer ON=100% light output (Can not be controlled by the Rotary Knob of the dimmer).
- Digital timer OFF=Dimmed down (can be controlled by the Rotary Knob of the dimmer).

2. Press the override button "OUT"

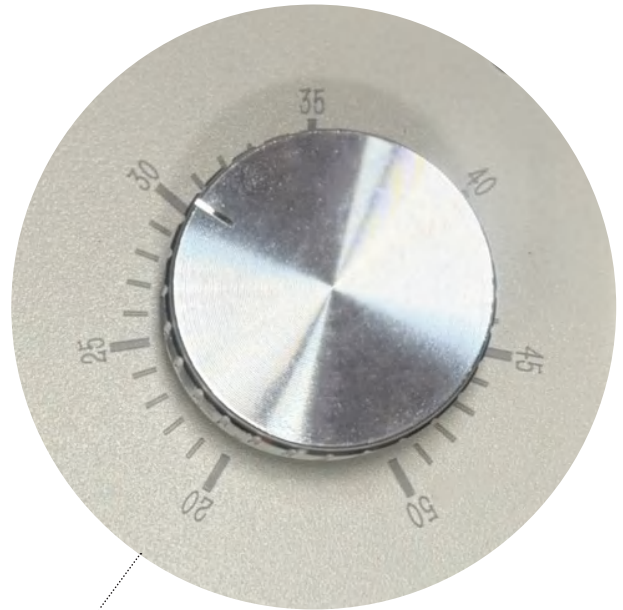
- Digital timer OFF=Dimmed down (can only be controlled by Rotary knob of dimmer, the timer has been overridden).



ENERGY GUARD DIMMER



Time switch is set OFF.



Rotary knob was set to 50.

- The dimmer can only dim the strip from 20% to 50% of the full power. With the use of digital dimmer, the strip light can work with 100% power. If we want the dimmer to dimmer the strip from 0% to 100%, we need ask the supplier to redesign the dimmer box.

- Follow the manufacturer's manual to program the timer switch.

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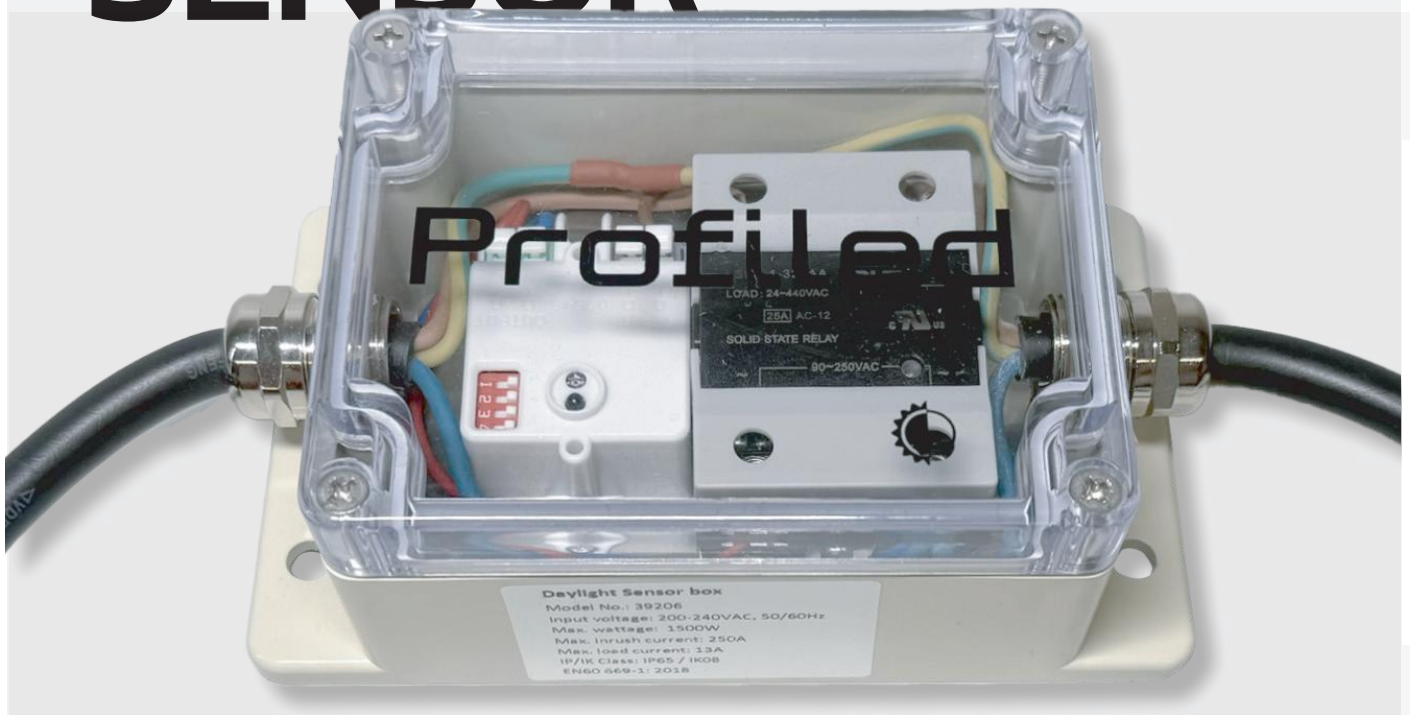


DAYLIGHT SENSOR

Ref. 039206

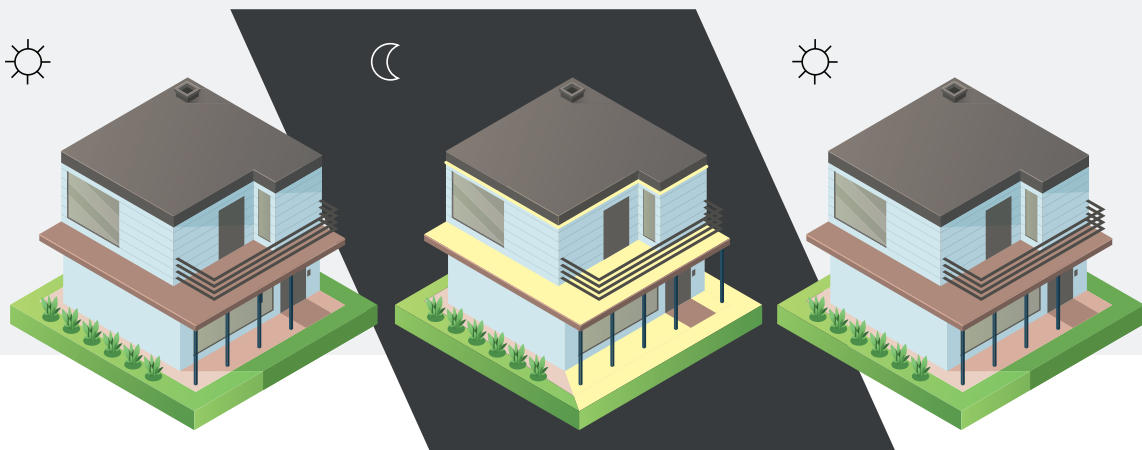
Ref. 039206

DAYLIGHT SENSOR



Daylight Relay

A daylight relay equipped with a sensor control is installed. This relay automatically turns the lighting on or off based on sunrise and sunset, adapting to twilight conditions. It features quick connectors to easily link luminaires in series. Additionally, the plug-and-play system ensures simple installation and effortless control of the connected luminaires.



 Adjustable 5 - 400 lux.	 Linkable up to 100m Flex LED Strip 100m or 1500W.	 Mounting plate for installation on wall or mast.
 Detects difference between normal day light and artificial light.	 Low weight only 0,50 kg. Quick connectors to LED Strip and incoming cable for easy change between different type of plugs.	 Warranty 3 years.

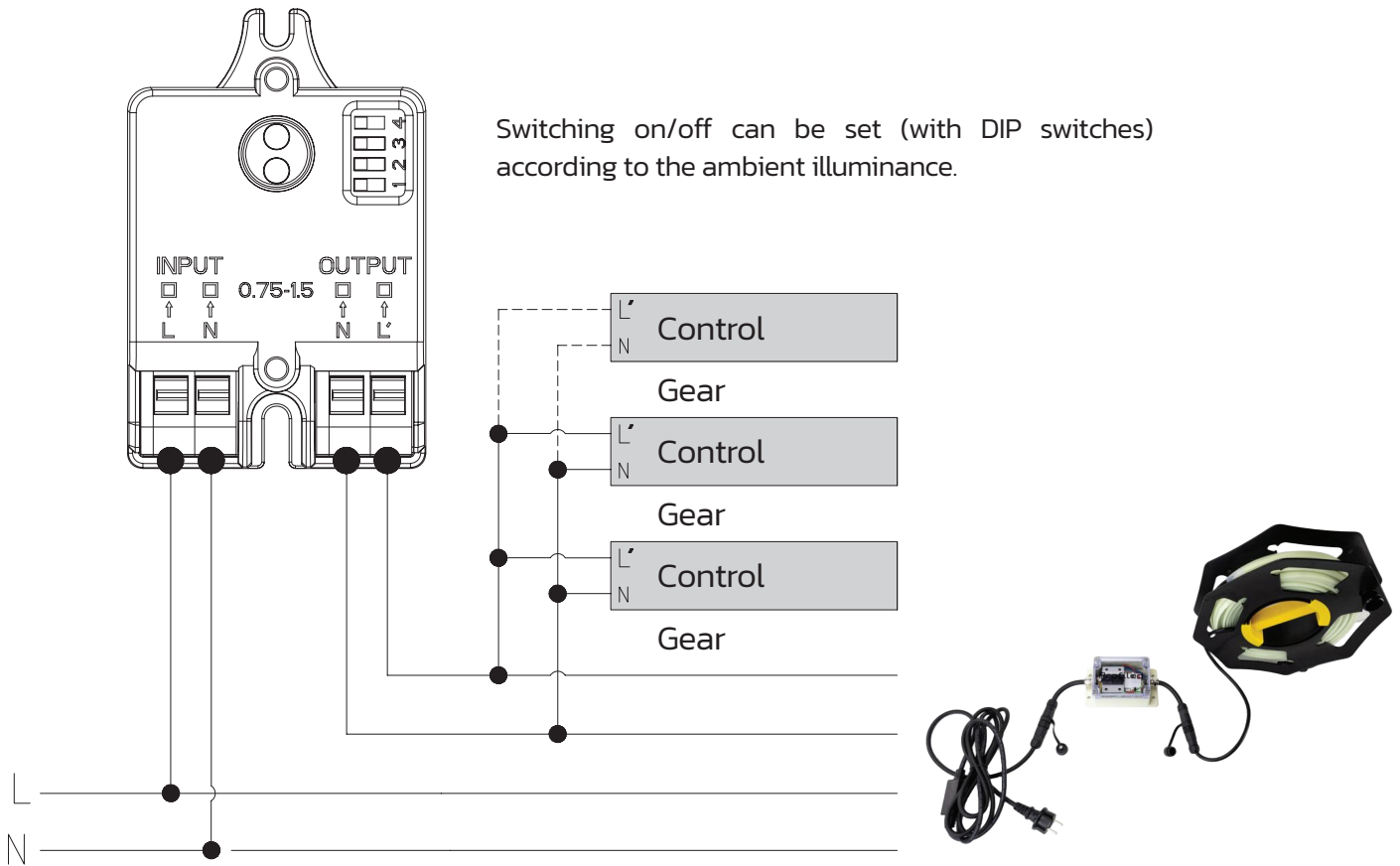


TECHNICAL SPECIFICATION

Voltage	220-240VAC +/-10% 50/60Hz
IK	IK08
IP	IP65
Working temperature	-20°C to +45°C
Maximum connectable lenght	1500W
Material	Polycarbonate with aluminium bracket
Dimensions	190x190x55 mm
Weight	0,80 kg

DAYLIGHT SENSOR

WIRING DIAGRAM

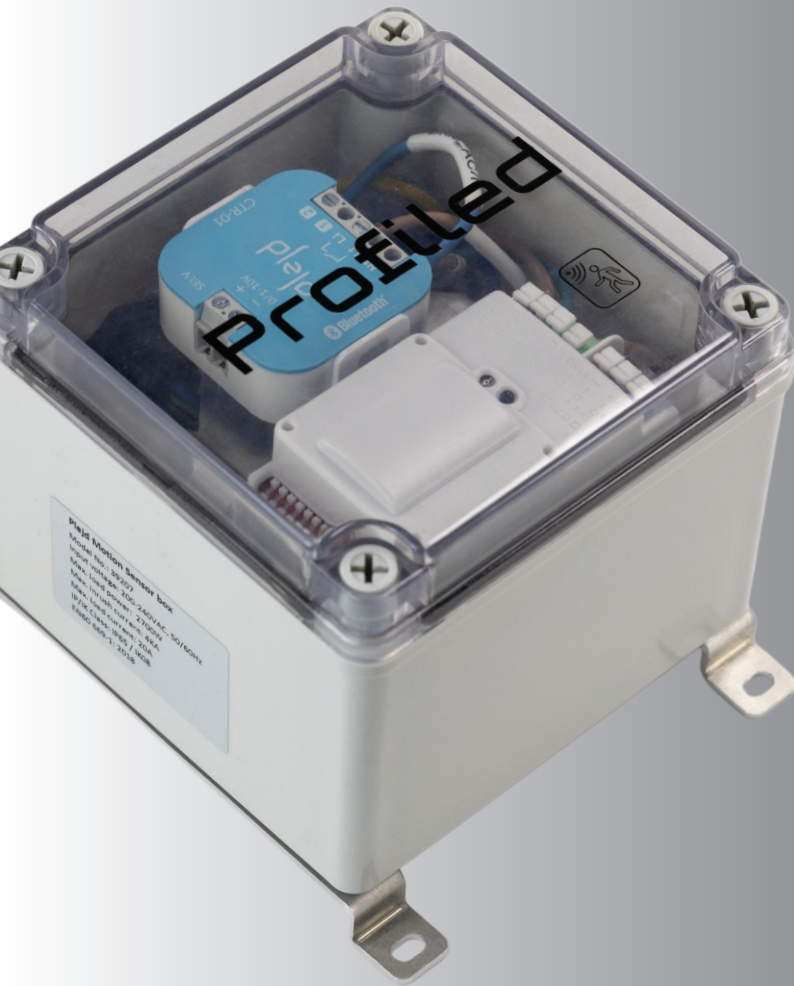


NIGHT SENSOR

When the ambient light falls below the set light intensity, the sensor activates automatically the lighting at 100% brightness. When the ambient light exceeds the set illuminance, it switches off the lighting.

ON		1	2	3	4	OPEN	CLOSE
	I	ON	ON	ON	ON	5 lux	25 lux
	II	ON	ON	ON	-	10 lux	50 lux
	III	ON	ON	-	ON	25 lux	75 lux
	IV	ON	ON	-	-	50 lux	100 lux
	V	ON	-	ON	-	100 lux	200 lux
	VI	ON	-	-	-	150 lux	300 lux
	VII	-	ON	-	-	200 lux	400 lux
	VIII	-	-	-	-	DISABLE	

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BLUETOOTH CONTROLLER + MOVEMENT SENSOR

Ref. 039208 / 039207

BLUETOOTH CONTROLLER + MOVEMENT SENSOR



IP68



IK08



Plug &
Play

Ref. 039208



Ref. 039207



Bluetooth Controller

Wireless control via bluetooth with functions turn on/turn off, adjusting the brightness of the LED strips.

Movement Sensor

Motion detection system that optimizes lighting by activating only when needed, contributing to energy savings.

			
• Linkable up to 100m FLEX LED strip 100m or 1500W.	• Clock backup for up to 10 years with Plejd.	• Dims down strip or fixture with 1-10V and astro timer.	• Prepared for using directly with LED strips, perfect for warehouse.
			
• Clever light control with PLEJD/Casambi.	• Button to override controller on outside of box.	• Quick connectors to LED strip and incoming cable for easy change between different type of plugs.	• Mounting plate for installation on wall or mast.



TECHNICAL SPECIFICATION

Voltage:	220-240VAC +/-10% 50/60Hz
IK	IK08
IP	IP65
Working temperature	-20°C to +45°C
Maximum connectable lenght	1500W
Material	Polycarbonate with aluminium bracket
Dimensions	120 x 145 x 110 mm
Weight	0,80 kg



TECHNICAL SPECIFICATION

Voltage:	220-240VAC +/-10% 50/60Hz
IK	IK08
IP	IP65
Working temperature	-20°C to +45°C
Maximum connectable lenght	1500W
Material	Polycarbonate with aluminium bracket
Dimensions	120 x 145 x 110 mm
Weight	0,80 kg

USER MANUAL



Working principle: Then motion sensor box 039207 cannot work alone. It needs to be connected to 039208 Bluetooth control devices. 039207 works as Master, 039208 works as slave. Both devices are connected by Plejd App's bluetooth.

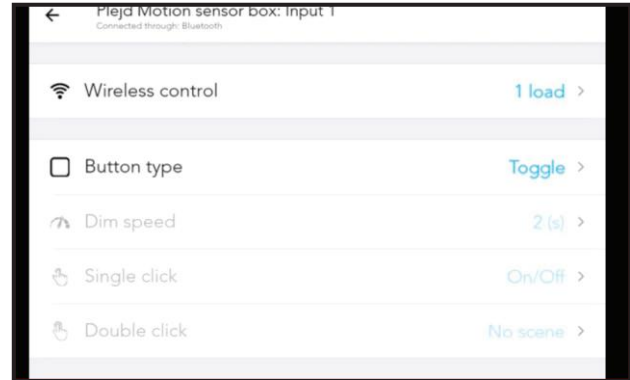
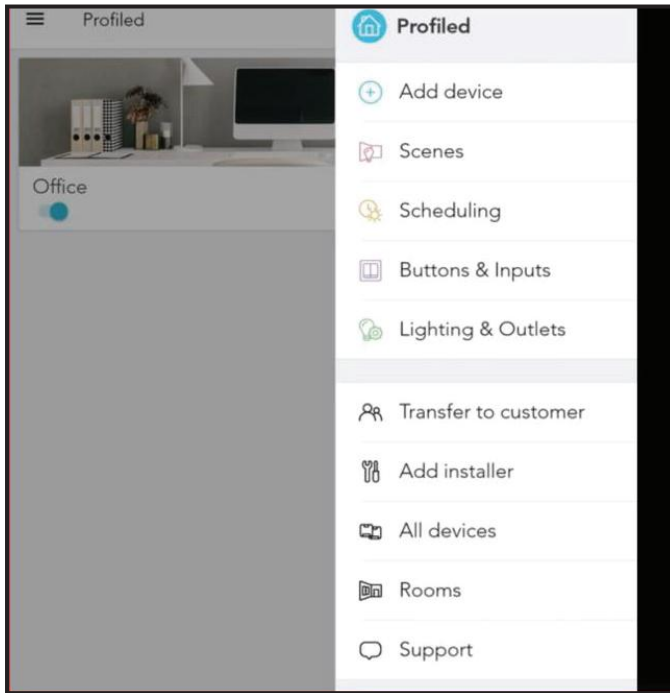
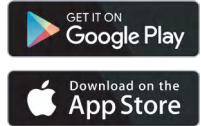


Make sure to press out the light control button.
If press the button In, the bluetooth device cannot control the motion sensor.

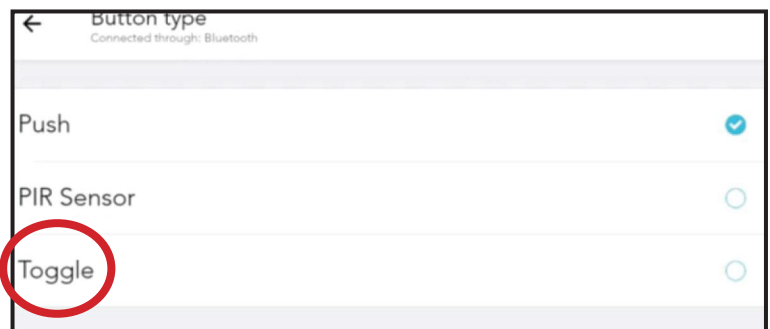
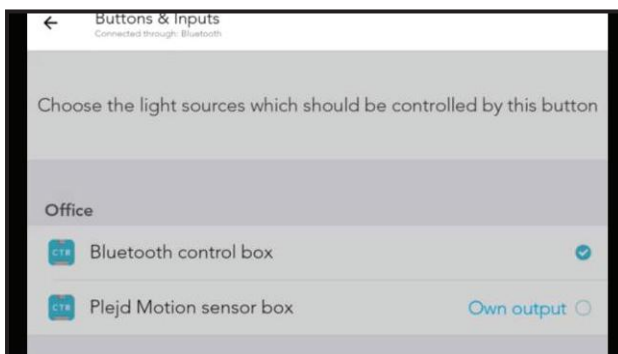


HOW TO SET UP THE PLEDJ APP TO CONNECT THE DEVICES TOGETHER

1. Download the Pjled App.
2. Connect both devices to the main.



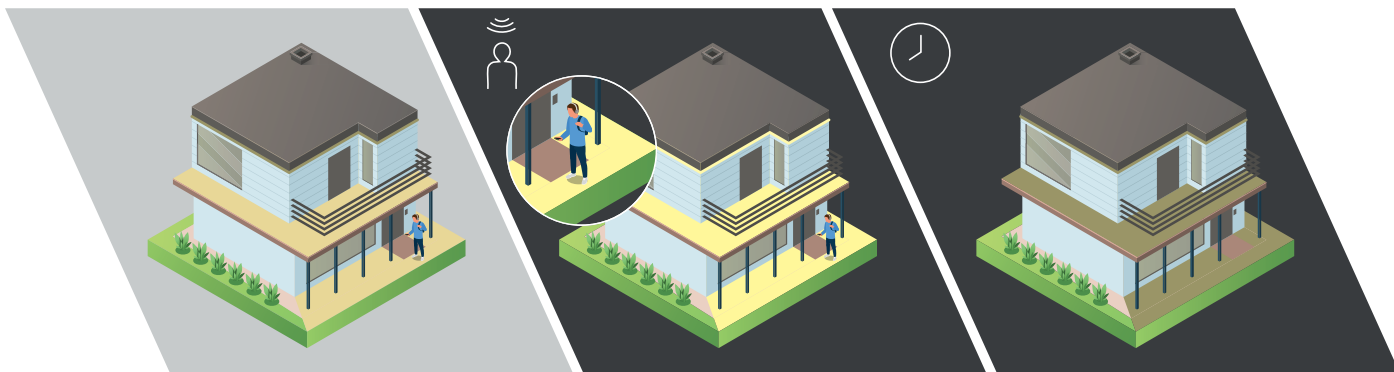
For "Wireless control", Bluetooth control box should be selected.



4. After setting the above correctly, you will find that the Bluetooth control box (039208) works when the motion sensor box (039207) detects any motion. The motion sensor operates using microwaves, which can detect movement even there is barrier.

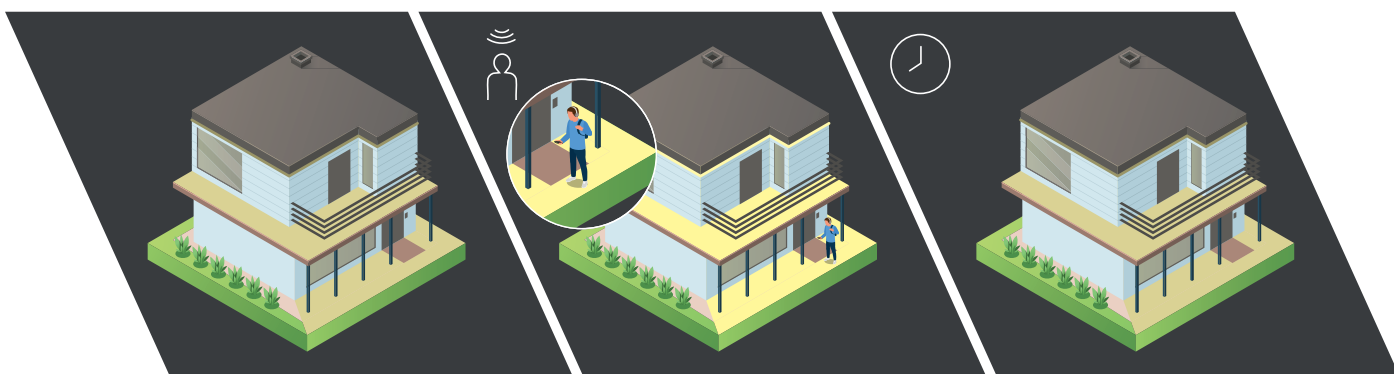
SENSOR CONFIGURATION

Option 1: (standby-period: 0 s)



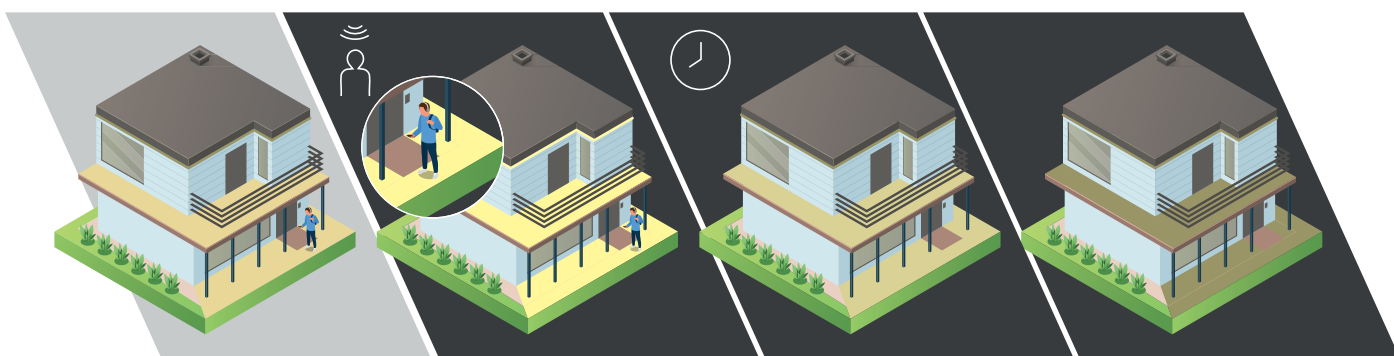
- If the surrounding lighting is bright enough, the light will not turn on, even when motion is detected.
- If the ambient light is insufficient, the light will turn on when the motion sensor detects movement.
- After the set holding time expires, the light will turn off if no motion is detected.

Option 2: (standby-period "+∞")



- When no motion is detected, the lighting remains dim.
- When motion is detected, the sensor lights up with full brightness.
- Once the hold time expires, the lighting dims to its current low brightness (if no motion is detected).

Option 3: (standby-period, 5 s, 5 min, 10 min, 30 min, 1 tim)

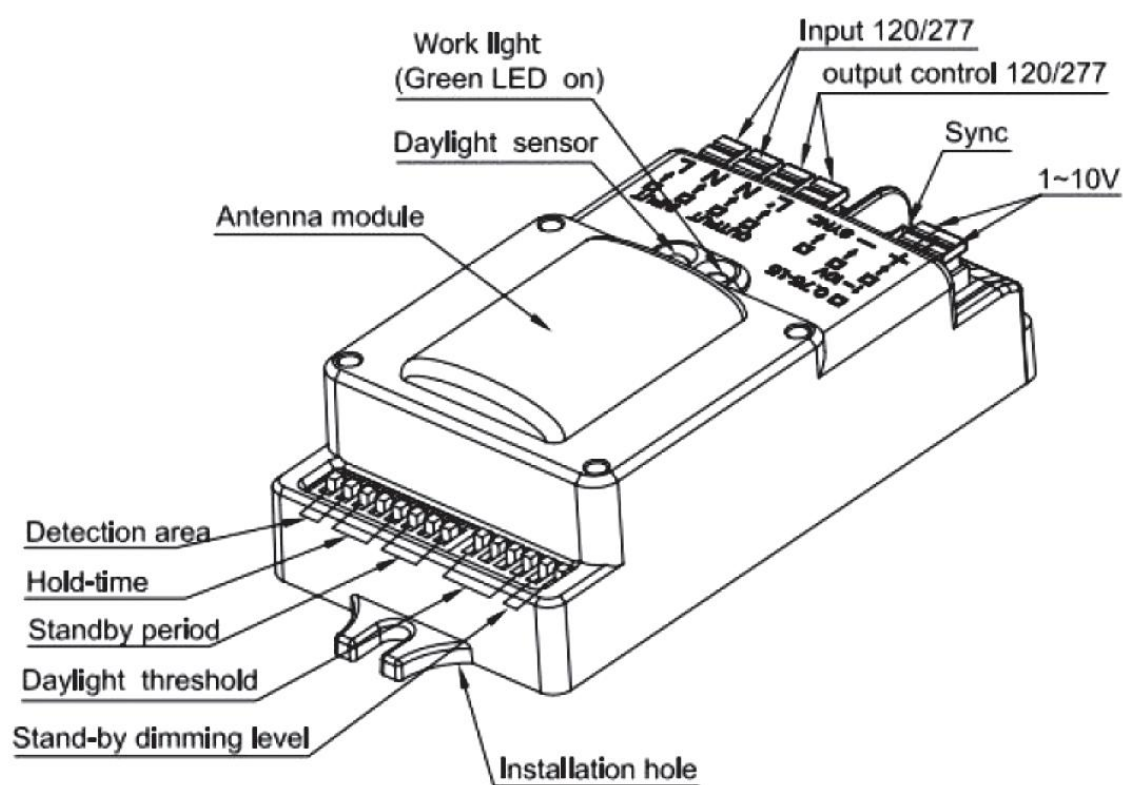


- If the surrounding lighting is bright enough, the light will not turn on, even when motion is detected.
- If the ambient light is insufficient, the light will turn on when the motion sensor detects movement.
- After the set holding time expires(5sc-1hr), the light will turn off if no motion is detected.

TECHNICAL DATA

Holding time	5 s, 30 s, 90 s, 3 min, 20 min, +∞
Standby level for dimming	10, 20, 30, 50 %
Standby-period	0 s, 5 s, 5 min, 10 min, 30 min, 1 tim, +∞
Detection range	10, 50, 75, 100 %
Daylight sensor (Lux)	2, 5, 10, 25, 50, and 100 and disabled
Installation	Recommendation: 3–10 meters (max. 12 meters).150° (wall installation), 360° (ceiling inst.)

CONNECTIONS:



DIP SWITCH SETTINGS

Detection Range:

ON		1	2	
	I	ON	ON	100%
	II	ON	-	75%
	III	-	ON	50%
	IV	-	-	10%

Holding time:

ON		3	4	5	
	I	ON	ON	ON	5s
	II	-	ON	ON	30s
	III	ON	-	ON	90s
	IV	-	-	ON	30min
		ON	ON	-	20min
		-	-	-	+∞

Standby period:

ON		6	7	8	
	I	ON	ON	ON	0s
	II	-	ON	ON	5s
	III	ON	-	ON	5min
	IV	-	-	ON	10min
	V	ON	ON	-	30min
	VI	-	ON	-	1h
	VII	-	-	-	+∞

Daylight sensor:

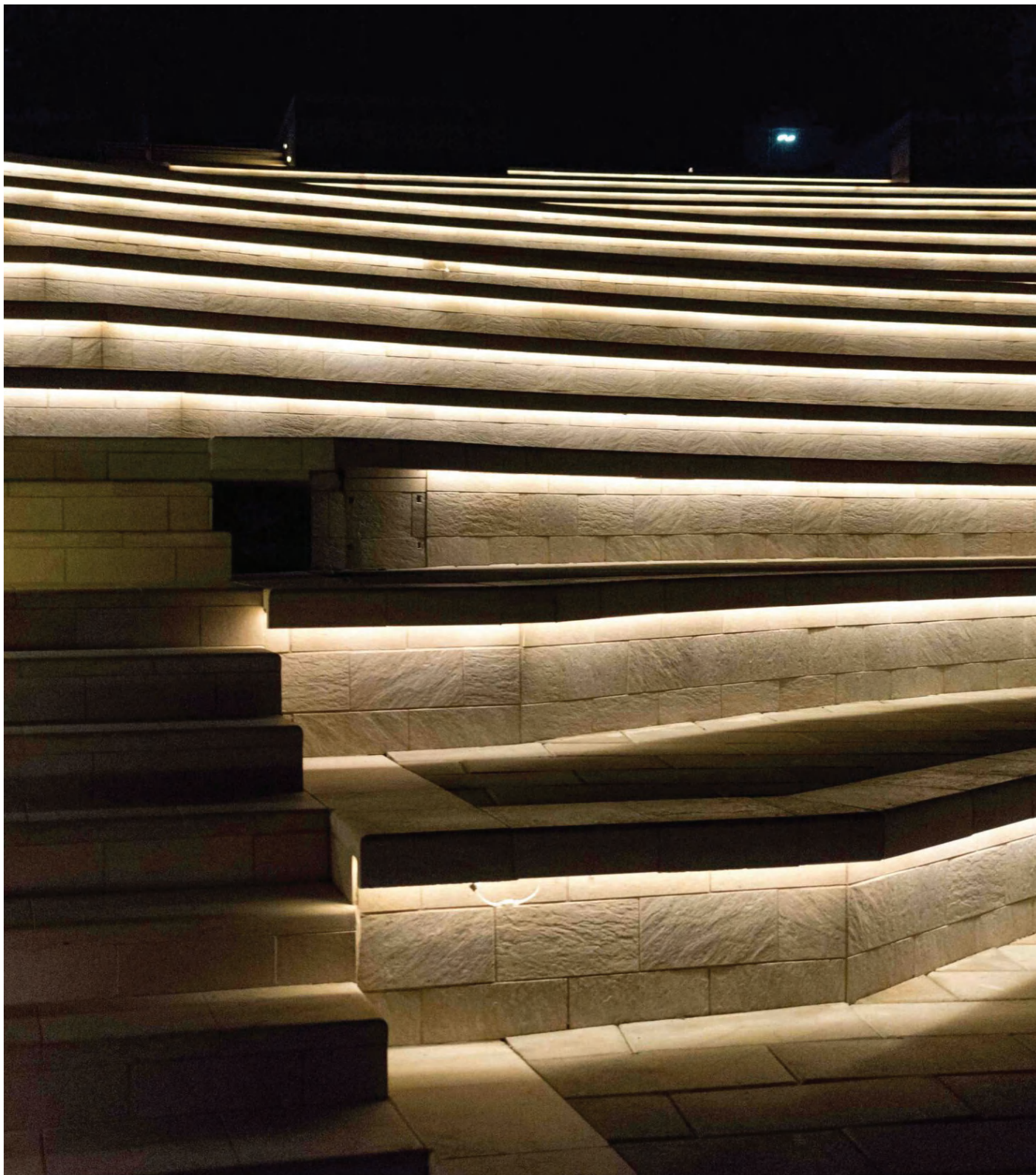
ON		1	2	3	4	
	I	-	-	ON	ON	2lux
	II	-	-	-	ON	5lux
	III	-	ON	ON	-	10lux
	IV	-	-	ON	-	25lux
	V	-	ON	-	-	50lux
	VI	ON	-	-	-	100lux
	VII	-	-	-	-	Disable

Standby level for dimming:

ON		6	7	Brightness%
	I	ON	ON	50%
	II	-	ON	30%
	III	ON	-	20%
	IV	-	-	10%

REMARKS

- The motion sensor can be connected in series with other sensors to increase the detection range connecting (Dim+) to (Sync) with a M16 cable.
- The proper functioning of the sensor may be affected by external factors such as rain, wind or other moving objects.



Profiled



Flex Batterybackup

Model No. 039204

Input: 100-240V~ 50/60Hz

Output: 100-240V~ Max 1700W

Battery discharging:

Output: DC10-25V 42W

Ta: -10~+50°C

Lithium Battery: 21.6V 5000mAh

SELV for Battery charge circuit

IP65/IK10

CE

RoHS

Batch No. 9CC

Profiled

BATTERY BACK-UP

Ref. 039205/039246

Ref. 039205/039246

BATTERY BACK-UP



Ref. 039205 (Aluminum)



Ref. 039246 (Plastic)

Description

In the event of a power cut, this battery back-up provides the lighting system with 1+1/2h of extra power. It can be used in dry or damp areas and installed on flammable surfaces. The maximum load that can be connected to this system is 1700w.



SAFETY

To replace the battery, open the cover and disconnect the quick connector from the battery. Always disconnect the power supply before carrying out maintenance on the back-up battery.

Before performing service of the system, disconnect it from the electrical supply. If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

				
• Max load 1700W, Min load 42W.	• installation on wall or mast.	• Warranty 3 years.	• Compact dimensions and low weight.	• Connection options with quick connectors or plug.

TECHNICAL SPECIFICATION

Input Voltage	110-230 V AC $\pm 10\%$ 50/60Hz
IK Grade	IK10
IP Grade	IP65
Working Temperature	-10°C to + 50°C
Material	Aluminium (039205) / Plastic housing (039246)
Dimensions	Aluminium: 280 x 120 x 54 cm, Plastic: 323x123x50mm
Weight	Aluminium: 13 kg, Plastic: 2 kg
Output Voltage	70-250VDC
Battery	21.6 V 5000 mAh lithium battery
Working Mode	1 + 1 hour / 2h continuous
Min. load	42W
Max. load	1700W
Certification	CE, RoHS

BATTERY BACK-UP



INSTALLATION

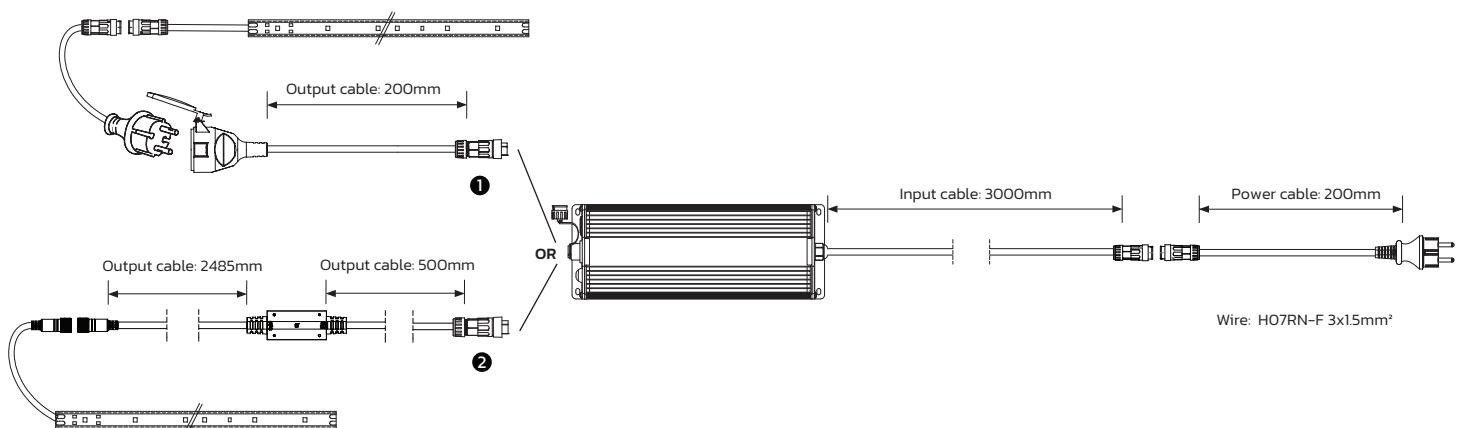
The system is connected to a LED strip using either a plug or quick connector. Any lighting controller must be installed before the system to prevent interference with battery operation. The system should only be connected to LED strips loads greater 42W. This battery back-up system is designed for Profiled LED strips exclusively.

INSTALLATION METHOD

 Screw



WIRING GUIDE



Profiled

MANUAL OF BATTERY BACK-UP

BATTERY MODE

A fully charged battery will provide lighting for the flex LED strip for 2 hours. It has two working modes. Changing the mode will provide either 1+1H or 2H continuous light. In 1+1H mode, the battery will switch off automatically after 1 hour but has a reserve capacity of 1 hour. In 2H mode, the battery will work for 2 hours continuously without an extra hour of reserve. Check the operation of the battery regularly.

LED INDICATOR

Flashing green light: Emergency back-up in operation.
Steady green light: System is fully charged.
Flashing red light: System fault. Service is required.
Steady red light: Battery is charging.

CAPACITY CHECK

Press the button briefly. The indicator will flash to show the battery capacity.

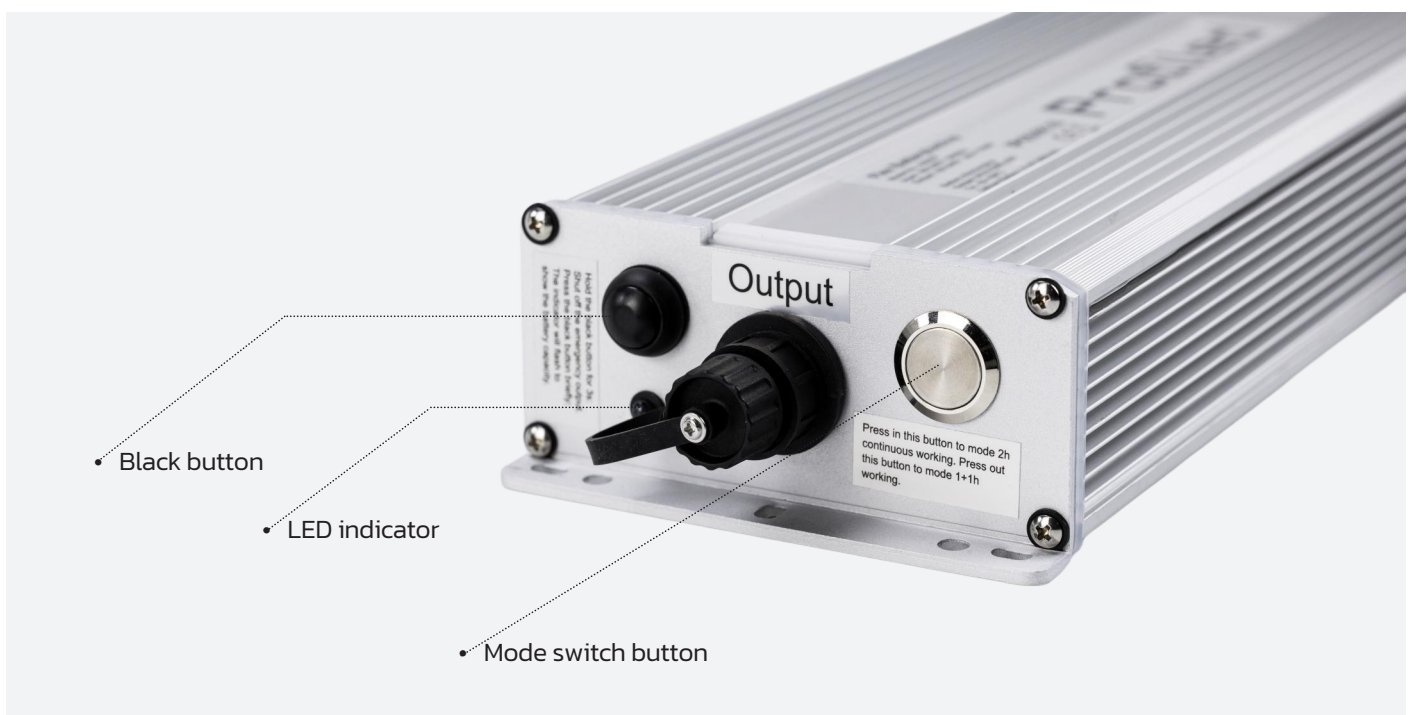
- 5 flashes = 80-100%
- 4 flashes = 60-80%
- 3 flashes = 40-60%
- 2 flashes = 20-40%
- 1 flash = 10-20%

TURN OFF LIGHTS

Hold down the black button for 3 seconds to disable backup operation. When the unit is turned on again, it will automatically revert to normal mode.

STORAGE

Recommended storage temperature
-10° to +30°C. The system should be
be recharged before long-term storage.
It can be stored safely for minimum 6 months.



R&D Center

Unit 1901B, 19F, Allied Kajima Building,
138 Gloucester Road,
Wanchai, Hong Kong S.A.R.

Production Facilities

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