



Theorylight

Handheld Switch TLSC18

The strap magnetic base is convenient for disassembly and installation



Zigbee Mesh
Network Control



Theorylight
Remote
Control



Zoning & Grouping



Dimming Control



On/Off Control

CE

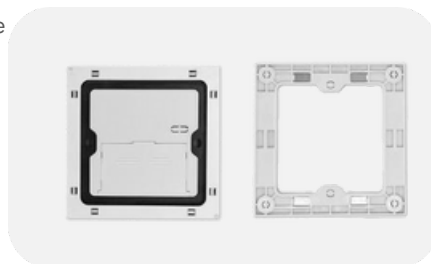
RoHS

Applications

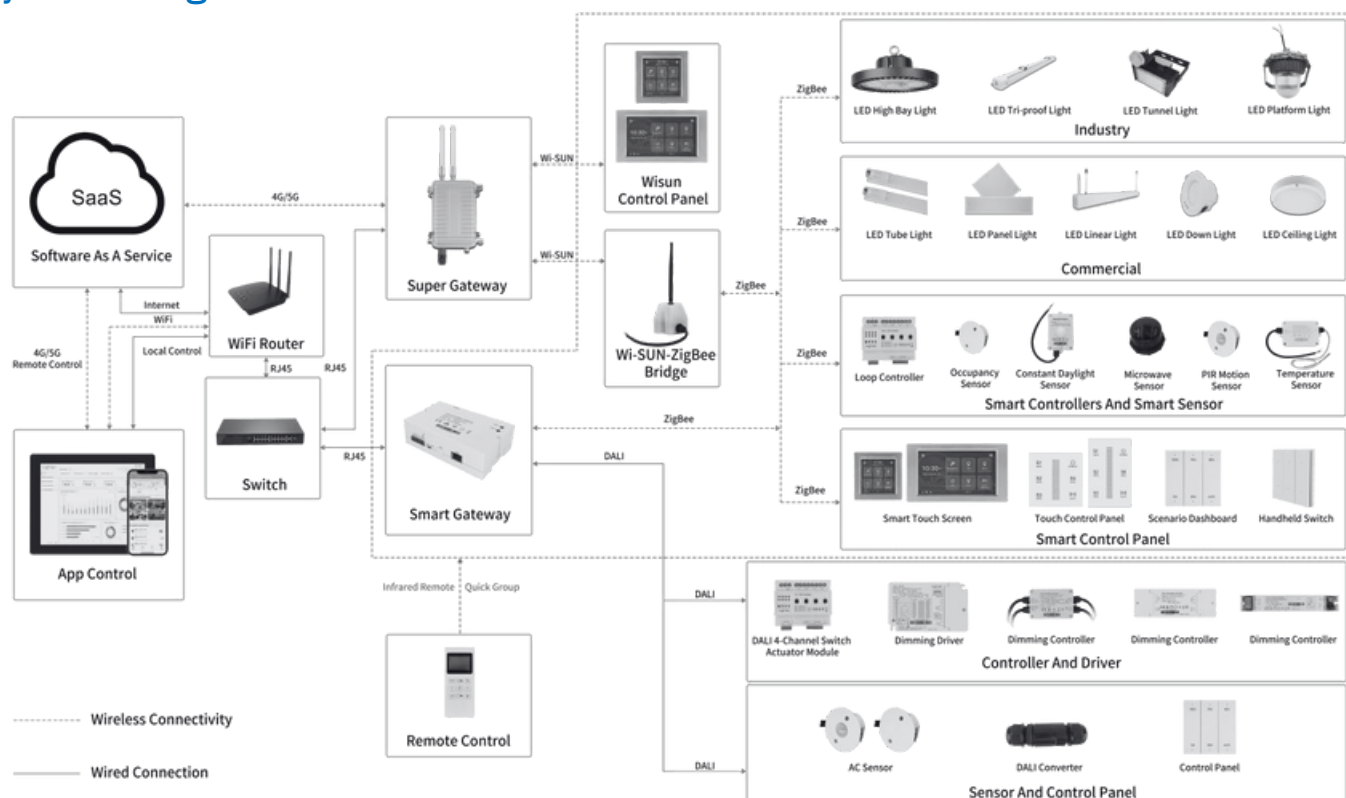
- Shopping Mall
- Office
- Manufacture
- Warehouse
- Exhibition Hall

Features

- TLSC18 is a low-power random mounting panel with a built-in ZigBee 3.0 standard protocol.
 - Grouping can be set via the Theorylight once set, it can control the on/off and brightness of the Theorylight series lighting products.
 - Powered by a 3V button cell battery.
 - Ultra-low standby power consumption, less than 3uA.
 - Equipped with 6 universal soft-touch buttons.
 - Customizable button silk screen printing. Strap magnetic base for easy disassembly and installation.
 - Communication range up to 15meters.
 - Compliant with the ZigBee 3.0 standard protocol.
- Operating temperature: -20°C to 55°C.



System Diagram



General Information

Protection class IEC	IP20
Warranty	5 Years Warranty
Certificate	CE, RoHS

Application Conditions

Operating Temperature	-20 °C~55°C
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Package

N.W.	93g
G.W.	102g
Size	86.1*86.1*38.8mm (L*W *H)
Package Size	88x88x15mm
Package	1PCS/Package

Operating and Electrical

Input voltage	Battery 3.0V
Battery Model	CR2303(240mAH) *2
Standby Power	<3uA
Wireless Frequency	2.4G
Remote Control Distance	<2.5m
Control Distance	15m

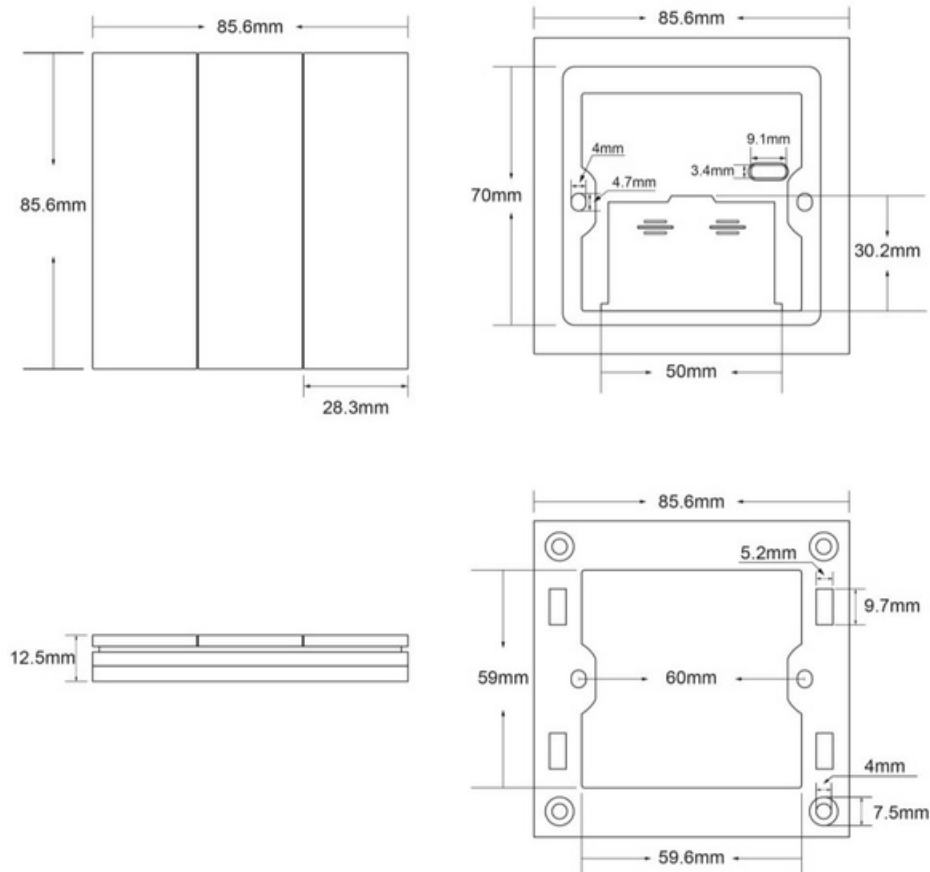
Mechanical and Housing

Housing Color	White
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Controls and Dimming

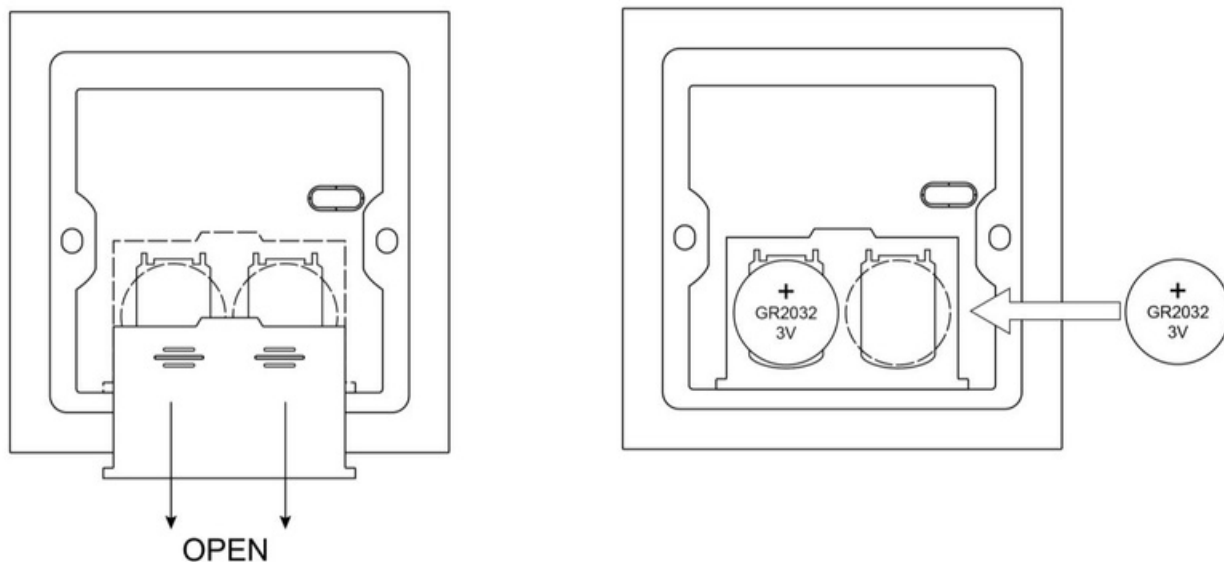
Intelligent Control	ZigBee
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Drawing



Battery Installation Method

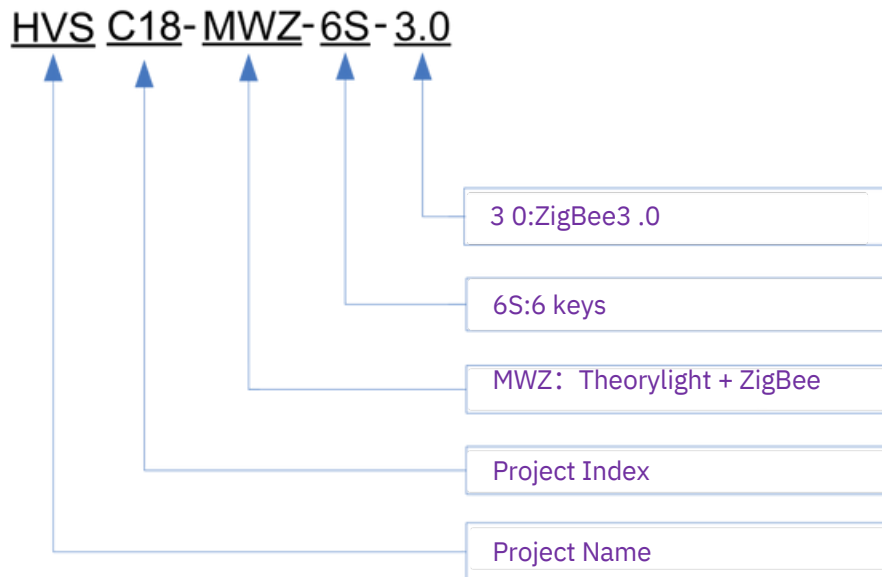
1. Battery CR2032 button battery * 2.
2. Installation: Remove the battery cover and insert the button battery into the battery holder (pay attention to the direction, the positive pole of the battery faces upward).
3. Battery installation diagram.



Remote Control Function Definition

Model Number	HRCD01		
Key Symbols	Key Operation	Function Description	Password Setting Interface Description
	Short Press	To enter the reset pop-up window	Unlock lock (re-enter lock password)
	Short Press	Confirm resetting the current device	Confirm lock after setting password
	Short Press	Join the group	/
	Short Press	Short press to switch groups-	Left shift adjustment password position
	Short Press	Short press to switch groups+	Right shift to adjust password position
	Short Press	/	Adjusting password numbers+
	Short Press	/	Adjusting password numbers-
	Simultaneously long press for 3 seconds	Enter the password setting interface	/
			Switch parameter interface

Part No.

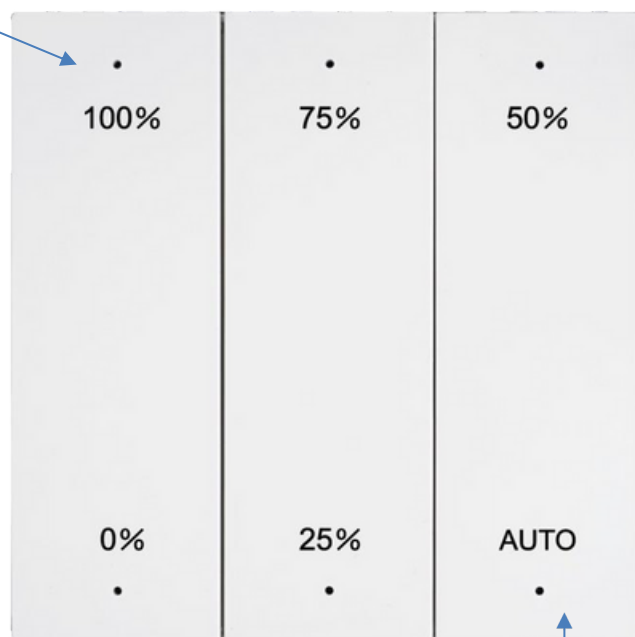


Software Operation

1. Press and hold the upper left and lower right buttons simultaneously to enter the configuration mode. The middle indicator at the top will start flashing. Hold for 15 seconds, and press any button briefly to exit the mode. In configuration mode, the Theorylight can perform large group numbering, device grouping, locking, and unlocking settings (the valid press duration is 3-6 seconds).
2. After adjusting the dimming or switching, the light's response to sensor control will be interrupted. You need to briefly press the AUTO button to restore the light's response to sensor control. After the interruption, the power-on state will not automatically recover.
3. Besides operation 2, there are two other ways to restore sensor control: restart the light, or, with the Theorylight's motion sensor enabled, briefly press the Theorylight's Auto button or set parameters.
4. Press and hold the lower left and upper right buttons simultaneously to forcibly clear the password lock. The middle indicator at the top will flash twice (the valid press duration is 3-6 seconds).
5. In low battery conditions, pressing the buttons will cause all six indicator lights to light up simultaneously, and the button functions will be disabled. After replacing the battery, normal functionality will be restored.

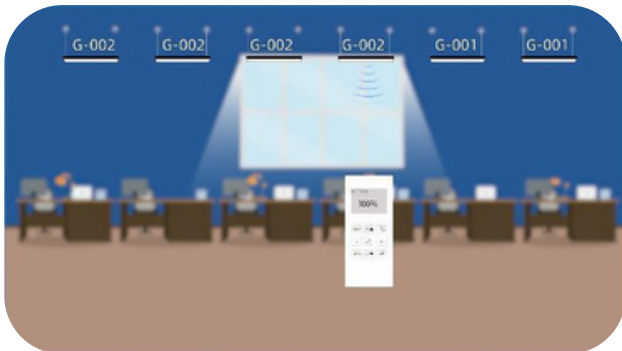
Device Reset

Short press: When the button is pressed, the nearby indicator light turns on, and when released, the indicator light turns off. The current brightness is set to 100%. The same operation applies for 75%, 50%, and 25% brightness.

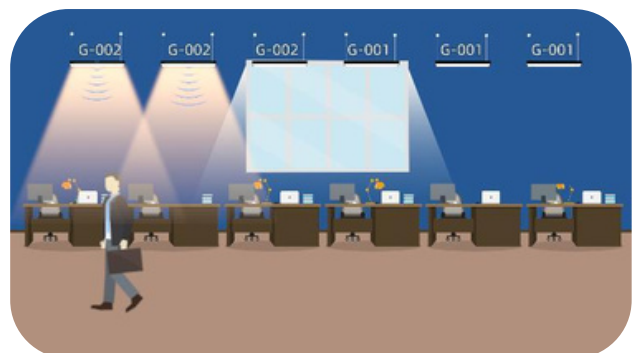
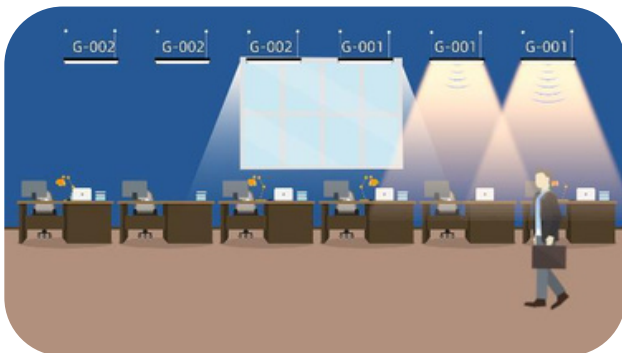


Short press: When the button is pressed, the nearby indicator light turns on, and when released, the indicator light turns off. The lights in the group will resume responding to sensor control, and the lights in the group will flash once.

Typical Working Scenarios



The “Theorylight” smart lamps are embedded with motion sensor and daylight sensor, using a “Theorylight” remote control, users can set grouping and parameters very fast and convenient. By adopting the standard ZigBee technology, “Theorylight” has the inborn advantages like long transmission distance, multiple channels and mesh network.



Users can set the sensor parameters of one group or individual lamp with one button, and change lamp brightness. In one group, the motion sensors work together to control these grouped lamps, and the daylight sensors control the individual lamps on/off according to the ambient brightness.

The Theorylight serial include panel, linear light, tri-proof light, high bay, LED tube. This kind of smart lamps can be used for industrial and commercial area, example offices, warehouses, factories, parking and others.