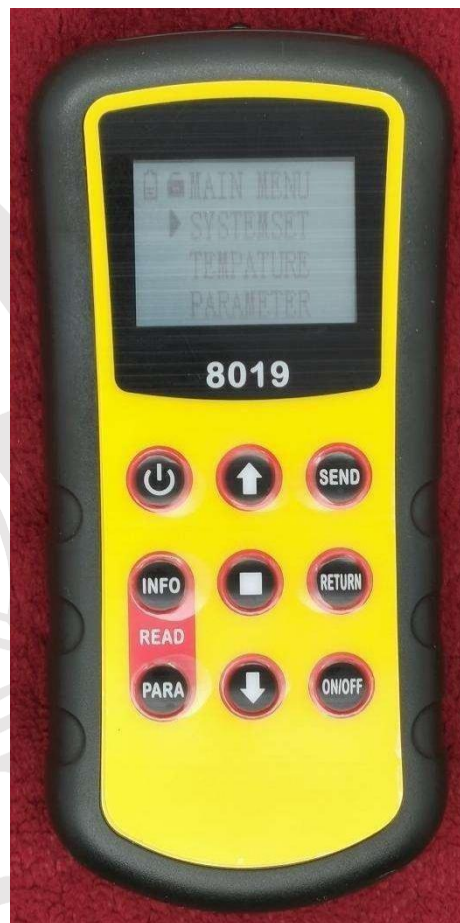




EVERAN II REMOTE CONTROL USER GUIDE

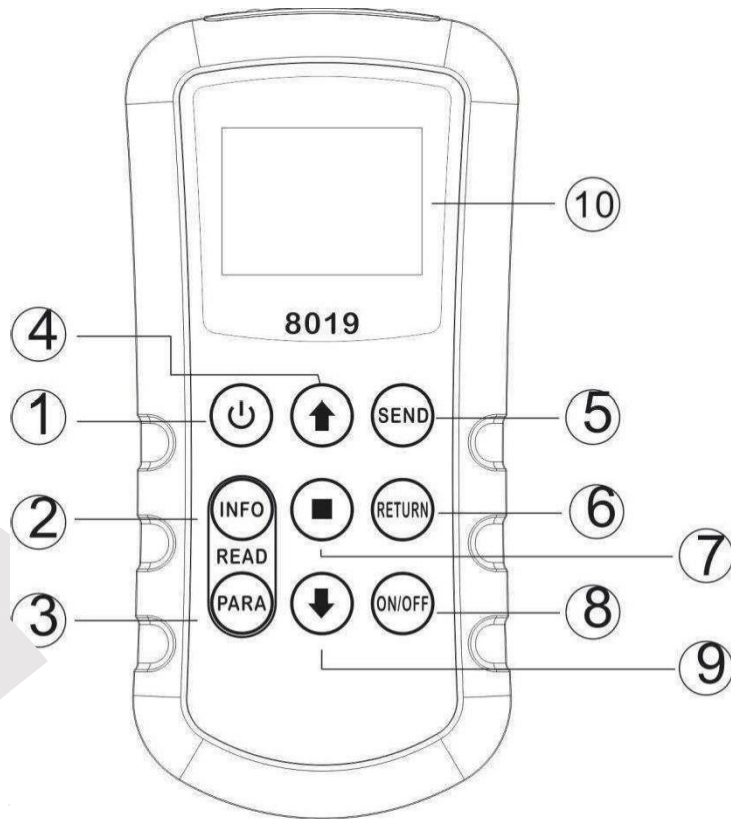


1. Remote Control Function

- Wireless infrared /2.4G remote control for configuring EVERAN II Solar Street LED Lights controller series.
- LCD display showing parameters, data and controller status.
- Automatic sleep mode after 5 minutes of inactivity.
- Accurate and fast data transmission.
- Powered by two AA batteries.



2. Screen printing of remote control:



- ① REMOTE CONTROL POWER BUTTON
- ② INFO BUTTON
- ③ PARAMETER BUTTON
- ④ UP BUTTON
- ⑤ SEND BUTTON
- ⑥ RETURN BUTTON
- ⑦ CONFIRM BUTTON
- ⑧ SOLAR LIGHT ON/OFF BUTTON
- ⑨ DOWN BUTTON
- ⑩ DISPLAY

3. Button Instructions

1. REMOTE CONTROL POWER BUTTON: The remote control power button for the remote control. Press this button at any time to turn the device on or off.

2. INFO BUTTON: Press this button at any time to check the operating status of the controller. When using infrared transmission, ensure the remote is aligned with the controller's receiver. A successful read will be indicated by a beep and the display will show the current status. If the read fails, three short beeps will sound. If no status is displayed, it indicates that the controller was not successfully read.



3. **PARAMETER BUTTON:** Before reading the parameters from the controller, input the system settings:
 - Product type (M3/P3/M12/P12)
 - Communication mode (infrared/2.4G)
 - Working mode (single/ABC)

If you do not know these parameters, they can be found in the current status. Press this button in any state to read the controller's parameter settings. When using infrared transmission, ensure the remote is aligned with the controller's receiver. A successful read will be indicated by a long beep and the display will show the current parameters. If the read fails, three short beeps will sound.

4. **↑ and ↓ BUTTONS:** When the menu is displayed, press these buttons to navigate through different menu options. In a submenu, use these buttons to move to the parameter you want to modify (long press to move continuously). Once a parameter is selected, press the confirm button to make it blink. Then use the ↑ and ↓ buttons to adjust the parameter (long press to continuously increase or decrease the value). Press the confirm button again to save the changes. While in the running status display, press these two buttons to switch between the previous and next status pages.
5. **SEND BUTTON:** After setting the parameters, press this button while pointing the remote at the controller's receiver when using infrared. The controller's three LED lights will blink twice, and the remote will emit a long beep, displaying "OK" if the transmission is successful. If the transmission fails, the remote controller will beep three short times, indicating failure. The remote controller can only send parameters while in the parameter setting menu; otherwise, pressing this button will have no effect.
6. **RETURN BUTTON:** Press this button in the main menu to enter the currently selected submenu. In a submenu, press this button to access the parameter settings for the current option. The parameter will begin blinking, indicating it is ready for adjustment. After modifying the parameters, press this button again to confirm the changes and exit the blinking state.
7. **CONFIRM BUTTON:** Press the confirm button once a selection has been made.

4. Special Operating Instructions





1. **Lock/Unlock Operation:** Press and hold the key in the lower right corner for 5 seconds, then release it to lock or unlock the device. The upper left corner of the LCD will display the corresponding lock or unlock icon, and the remote control will emit a long sound to confirm a successful operation. This function is disabled when parameters are being set. In the locked state, pressing the settings key to adjust or read parameters is also invalid. However, reading the status and sending parameters is still possible.
2. **LED Solar Street Light Model Selection:** Enter the system settings submenu and navigate to "Product Type" (item 2). Press the confirm key to access the settings. There are four controller product types: M3,P3, M12, and P12. Parameters can only be read and set if the product type of the controller matches the type set on the remote control; otherwise, the operation will be invalid. If you are unsure of the controller's product type, press the read status key to display the controller's status. The first item in the status bar indicates the current product type, and you can set the product type on the remote control accordingly.

5. Notes

1. The remote control can only operate one light at a time. Please do not operate multiple lights simultaneously.
2. When the battery symbol blinks to indicate low power, please replace the battery promptly.
3. Please remove the battery if the device will not be used for an extended period.



6. Icon Description

			
Remote control battery power	Sending symbol	Key Lock status	Key lock release

7. Main Menu Description

There are three submenus in the remote control's main menu: System Setting, Temperature Protection, and Parameter Setting. Navigate to the desired submenu and press the Confirm key to enter the settings.

8. Submenu Setting Instructions

1) System Settings

Serial number	Item name	Project options
01	Language	Chinese /ENGLISH
02	Product type	<u>M3/P3/M12/P12</u> Note: <u>M3</u> : MPPT 3V, 6V battery system <u>P3</u> : PWM 3V, 6V battery system <u>M12</u> : MPPT 12V, 24V battery system <u>P12</u> : PWM 12V, 24V battery system
03	Communication mode	<u>Infrared /2.4G</u> Note: <u>Infrared</u> : Infrared remote control communication <u>2.4G</u> : 2.4G remote control communication
04	Communication distance (for 2.4G only)	<u>Super near/near/medium/far (without any hindrance)</u> Note: <u>Super close</u> : 3-5 meters <u>Close</u> : 5-10 meters <u>Medium</u> : 10-15 meters <u>Far</u> : 15-30 meters
05	Working mode	<u>Single /ABC</u> Note: <u>Single</u> : Single working mode <u>ABC</u> : Three working modes A, B and C
06	Version number	V2.2

Note: Communication distance is only valid for 2.4G communication mode; The current product type supports four products, respectively M3,P3,M12,P12 four kinds. The version number is the version number of the remote control software, so that it can be identified when updating the software.



2) Temperature Protection

Serial number	Parameter name	Parameter Description	Default Values	Parameter range
01	Charging cap	Reach this temperature when charging to stop charging	80 °	-40° -99 °
02	Lower charge limit	Stop charging below this temperature when charging	- 20 °	-40° -99 °
03	Upper discharge limit	Discharge at this temperature to stop discharge	80 °	-40° -99 °
04	Lower discharge limit	Stop discharging below this temperature when discharging	- 30 °	-40° -99 °

This temperature parameter is mainly for lithium battery set protection; It is useless for lead-acid batteries.

3) Parameter Settings

General parameter setting, about the voltage description there are 2 parameters, the front is for 11.1V battery, the rear parameter is for 3.2V battery

Serial Number	Name	Data range	Name description	Units	Default
01	Overcharge voltage	0-9.0-90/2.8	Overcharge protection voltage	Volts	12.6/3.65
02	Overcharge return	0-9.0-90/2.8	Return the charge voltage after overcharging	Volts	12.2/3.5
03	Overdischarge voltage	0-9.0-90/2.8	Overdischarge protection voltage	Volts	8.8/2.8
04	Overput return	0-9.0-90/2.8	Overdischarge return voltage	Volts	10/3.0
05	Light-controlled voltage	0.5-20	Light control on light voltage	Volts	5/2.5
06	Light-controlled delay	1-180.	Light-controlled delay time	seconds	10
07	Power saving management	Yes/No	Power saving control management		is
08	Power-saving starting point	0-9.0-90/2.8	Power saving starting operating voltage	Volts	11.2/3.2
09	Power-saving end	0-9.0-90/2.8	Minimum operating voltage for power saving	volt	10/2.9
10	Double season	Yes/No	Lower power use during winter		no
11	Winter night length	8-15	Length of winter night time	Hours	12
12	Winter power	30-100.	The power ratio of winter lights	%	60
13	Unattended delay	1-180.	1-180 3 Delay the long time from someone to nobody	seconds	20
14	Load current	0.1-9	Maximum current when lighting	Amperes	1



The remote control can set three different light output modes: A, B, and C. Each mode can be configured for time-controlled output and induction output. Additionally, each mode can set six period output power levels and one morning brightness output power level.

Time Control Output Mode

Serial Number	Name	Data range	Name description	Units	Default
01	First Session	0-15H	First working session time length	Hours	1H
02	First power	0-100%	First working hour power	Percentage	100%
03	Second session	0-15H	Second working session time length	Hours	1H
04	Second Power	0-100%	Second working period power	Percentage	80%
05	Third period	0-15H	Third working session length of time	Hours	1H
06	Third Power	0-100%	Third working period power	%	60%
07	Fourth period	0-15H	Fourth working session time length	Hours	1H
08	Fourth power	0-100%	Fourth working period power	%	45%
09	The fifth session	0-15H	Fifth working period time length	Hours	2H
10	Fifth power	0-100%	Fifth working period power	%	30%
11	Period Six	0-15H	Sixth working session time length	Hours	7H
12	Sixth Power	0-100%	Sixth working period power	%	25%
13	Morning break	0-3H	Morning light working time length	Hours	1H
14	Morning brightness power	0-100%	Output power during morning bright operation	%	40%

Induction Output Mode

Serial number	Name	Data range	Name description	unit	Default
01	First Session	0-15H	First working session time length	Hours	1H
02	First power	0-100%	First working period power	Percentage	100%
03	First No Man	0-100%	Output power when no one is present during the first working period	%	30%
04	Second session	0-15H	Second working session time length	Hours	1H



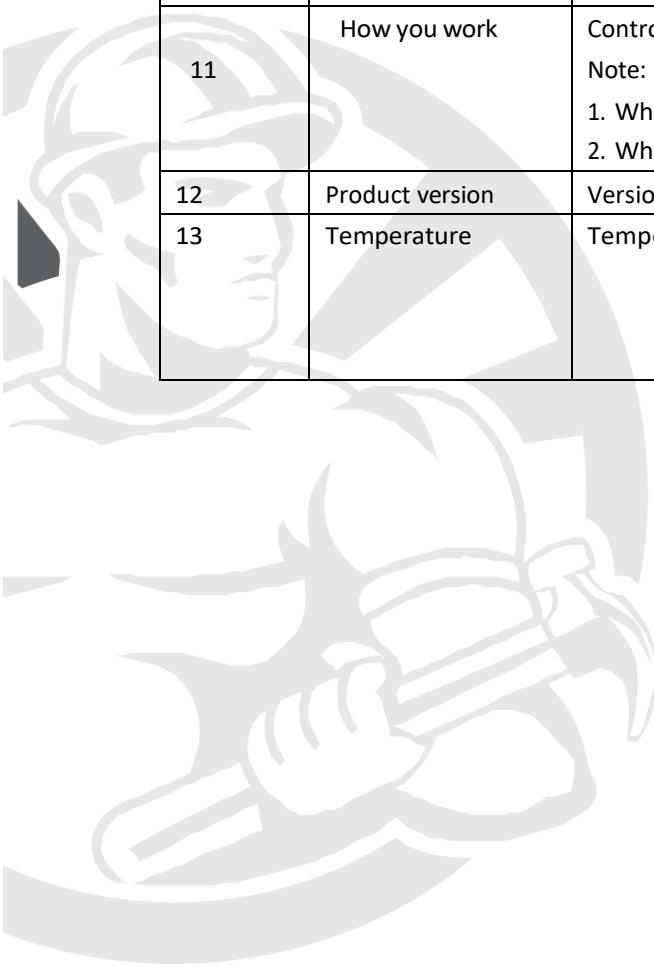
05	Second Power	0-100%	Second working period power	Percentage	80%
06	Second No man	0-100%	Output power when no one is present during the second working period	Percentage	24%
07	Third period	0-15H	Third working session length of time	Hours	1H
08	Third power	0-100%	Third working period power	percent	60%
09	Third MAN	0-100%	Output power when no one is present during the third working period	%	18%
10	Fourth period	0-15H	Fourth working session time length	Hours	1H
11	Fourth power	0-100%	Fourth working period power	%	45%
12	Fourth No man	0-100%	Output power when no one is present during the fourth working period	%	14%
13	The fifth session	0-15H	Fifth working period time length	Hours	2H
14	Fifth power	0-100%	Fifth working period power	%	30%
15	Fifth No Man	0-100%	Output power when no one is present during the fifth working period	%	9%
16	Period Six	0-15H	Sixth working session time length	Hour (s)	7H
17	Sixth power	0-100%	Sixth working period power	%	25%
18	Sixth No Man	0-100%	Output power when no one is present during the sixth working period	%	8%
19	Morning light session	0-3H	Morning light working time length	Hours	1H
20	Morning bright power	0-100%	Output power during morning bright operation	%	40%
21	Morning bright no one	0-100%	Output power when no one is present during morning bright working hours	%	12%

9. Operation Information Description

Serial Number	Name	Name Description	Units
01	Product Model number	Model number of the controller product for system setup	
02	Days of operation	Total number of days the controller has been running	day
03	Battery voltage	The current battery voltage	Volts



04	Number of overplays	Total number of current overshoot protection	time
05	Number of Fills	The total number of times the battery has been charged	time
06	Output voltage	Current LED load output voltage value	In Volts
07	Output current	Current output of LED load end	Ampere
08	Photovoltaic voltage	The current voltage of the photovoltaic panel (only valid when charging)	Volts
09	Charging current	Charge current when charging during the day (only valid with MPPT controller)	Amperes
10	How to run	The controller is currently running on charge, light output or idle mode	
11	How you work	Controller running light output working mode ABC/ONE Note: 1. When you read one of A/B/C, it is the ABC pattern. 2. When you read ONE, it proves to be a single pattern.	
12	Product version	Version number of the controller	
13	Temperature	Temperature sensor temperature of the controller, displayed when there is no temperature sensor -- (only MPPT controller has temperature display)	





Motion Sensor Programming Instructions:

- **Power On the Remote**

- Locate the power button on your remote control and press it to turn on the device.

2. **Access the Parameter Menu**

- Using the up and down arrow buttons, navigate until you find the “Parameter” option on the screen.
- Once highlighted, press the confirm button to select it.

3. **Select Parameter 15 (Sensor Control)**

- With the Parameter menu active, use the arrow keys to scroll until you reach parameter 15. This parameter specifically controls the sensor.
- Press the confirm button. You will notice that parameter 15 starts flashing—this indicates that it is now active.

4. **Choose the Sensor Mode**

- While parameter 15 is flashing, use the up and down arrow buttons to toggle between “constant” and “motion” settings.
- **Important:** Make sure to select the “motion” setting.
- Once “motion” is selected, press the confirm button to lock in your choice.

5. **Configure Parameter 16 (Time Setting in Hours)**

- After locking the sensor mode, use the down arrow key to move to parameter 16.
- Press the confirm button to select it. The display will flash, indicating it is ready to be adjusted.
- Use the arrow keys to set the desired time (in hours). Once the correct time is displayed, press the confirm button to lock in the setting.

6. **Configure Parameter 17 (Power Output on Motion Detection)**

- Navigate to parameter 17. This parameter controls the light’s total power output when motion is detected.
- Press the confirm button to select it, then use the arrow keys to adjust the power setting.
- **Recommendation:** Set this parameter at 100% for optimal performance.
- Press the confirm button to lock the setting in.

7. **Configure Parameter 18 (Power Output When No Motion is Detected)**

- Move to parameter 18. This controls the power output when no motion is triggered.
- Again, press the confirm button. Adjust the setting using the arrow keys—set it to 0 as recommended.
- Press the confirm button to secure the setting.

8. **Program Parameters 19 to 24**

- Using the same technique you used for parameters 16–18, navigate and configure parameters 19 through 24.
- As you work through these, note that for parameter 22 it is advisable to set the time to 8 hours.
- For each parameter: select via the confirm button, adjust using the arrow keys (watch for the flashing indicator), and lock in your choice with a second press of confirm.

9. **Send the Program to the Light Sensor**

- Once you have set all the parameters to your preference, press the **send button** to upload the settings to the device.
- **Feedback Sounds:**
 - A single long beep confirms that the signal was sent successfully.
 - If you hear three short beeps, the transmission was unsuccessful, and you may need to reposition the remote closer to the sensor and try again.