



Remote control

RF485C

1、总开关按键 控制灯和风扇的开关

- 1) 灯或风扇为关状态，按总开关，风扇以记忆档位运行，灯开启记忆的亮度；开关灯时间差小于 8 秒，色温会变化；时间差大于 8 秒，色温保持上次的记忆。
- 2) 灯或风扇为开启状态，按下总开关，停止风扇运行，关闭灯；断电重新开灯时，亮度和色温是关灯前的状态；开机 30 秒内，长按此键 3 秒，完成遥控器对码。对码成功，灯闪烁指示。

1. The main switch button(Button 1) controls the switch of the light and fan

- 1) When the light or fan is turned off, press the main switch and the fan will run in the memory gear. The light will turn on the memory brightness; If the time difference between turning on and off the light is less than 8 seconds, the color temperature will change; The time difference is greater than 8 seconds, and the color temperature remains the same as the last memory.
- 2) Turn on the light or fan, press the main switch to stop the fan and turn off the light; When the power is cut off and the lights are turned on again, the brightness and color temperature are in the state before turning off the lights; Press and hold this button for 3 seconds after turning on for 30 seconds to complete remote control code checking. Successful code matching, flashing light indicates.

2、正反转按键 控制风扇的正转和反转

- 1) 正转方向正在运行时，收到反转指令，风扇停止 5 秒后，启动反转。
- 2) 反之，风扇停止 5 秒后，启动正转。
- 3) 正反转之后，以原有档位运行。
- 4) 按起正反车开关按键后，风扇停止 5 秒后，启动反转功能，这时风扇会有调整风扇启动的扭力而来回振动，这个是正常的现象。

2. The forward and reverse buttons (button2)control the forward and reverse rotation of the fan

- 1) When the forward direction is running and a reverse command is received, the fan stops for 5 seconds before starting the reverse.
- 2) On the contrary, after the fan stops for 5 seconds, it starts to rotate forward.
- 3) After reversing, run in the original gear.

- 4) After pressing the front and back car switch buttons, the fan stops for 5 seconds and starts the reverse function. At this time, the fan will adjust the torque of the fan start and vibrate back and forth, which is a normal phenomenon.

3、风扇档位控制 按键：分 6，5，4，3，2，1，关七个档位。

- 1) 风扇关闭状态下按档位键，风扇将以关风扇前的档位速度运行。
 - 2) 风扇档位控制顺序：右键升档，左键降档，最大为 6 档，最小风扇关闭。
 - 3) 每档转换时间可以实时响应，小于 3S。
 - 4) 要求风扇转速在设定转速的 5% 范围内。
3. Fan gear control button(button3): divided into 7 gears: 6, 5, 4, 3, 2, 1, and off.

1) Press the gear button when the fan is turned off, and the fan will run at the speed of the gear before turning off the fan.

2) Fan gear control sequence: Right click to upshift, left click to downshift, maximum of 6 gears, minimum fan off.

3) Each gear conversion time can respond in real-time, less than 3 seconds.

4) Require the fan speed to be within 5% of the set speed range.

4、亮度和色温复用键：

- 1) 亮度：只有打开 LED 灯的状态下，才可以调节亮度。
- 2) 从最暗调到最亮或最亮调到最暗，需要长按 10 秒左右。
- 3) 长按键时（遥控器定义了最长可以按 10 秒），亮度将发生递增或递减渐变，达到最亮或最暗时，控制板不再接收调节指令。
- 4) 控制规律：逐渐变亮→逐渐更亮→达到最亮；逐渐变暗→逐渐更暗→达到更暗；达到最亮或最暗时，不再调节。遥控器松开后，才可以继续调度亮度，以反向调节亮度。
- 5) 调光的最低功率是光源额定功率的 20%，如光源额定功率为 18W 时，调光的最低功率即为： $18 \times 20\% = 3.6W$ 。（不开风扇时亮灯的功率）
- 6) 色温：只有打开 LED 灯的状态下，才可以调节色温。共有 3 档色温：白光，淡黄，黄光。
- 7) LED 灯开关灯时间差在 8 秒内，就可以调节色温。按键一次灯关闭，再按一次灯打开，这两者时间差在 8 秒内就会调节色温。

4. Brightness and color temperature reuse key(Button4):

1) Brightness: The brightness can only be adjusted when the LED light is turned on.

2) To adjust from the darkest to the brightest or from the brightest to the darkest, press and hold for about 10 seconds.

3) When the button is pressed for a long time (the remote control defines a maximum of 10 seconds), the brightness will gradually increase or decrease. When it reaches the brightest or darkest point, the control board will no longer receive adjustment instructions.

4) Control pattern: gradually brighten → gradually brighten → reach maximum brightness; Gradually getting darker → gradually getting darker → reaching darker; When reaching the brightest or darkest, no longer adjust. After releasing the remote control, you can continue to adjust the brightness in reverse.

5) The minimum power for dimming is 20% of the rated power of the light source. If the rated power of the light source is 18W, the minimum power for dimming is $18 * 20\% = 3.6W$. (Power to light up when the fan is not turned on)

6) Color temperature: The color temperature can only be adjusted when the LED light is turned on. There are three color temperatures available: white light, light yellow, and yellow light.

7) The color temperature can be adjusted within 8 seconds of the LED light switching time difference. Press the button once to turn off the light and then press it again to turn it on. The color temperature will be adjusted within 8 seconds of the time difference between the two.

5、风扇定时按键：定时功能按 1H、2H、4H 三个时段

1) 开风扇状态下，才能设置定时。

2) 定时时间到，将关闭风扇和 LED 灯。

3) 操作定时取消指令或者同时关闭风扇和灯时，会取消定时设置。

4) 控制顺序：1H(LED1 闪一下)→2H(LED2 闪一下)→4H(LED3 闪一下)→取消定时...循环。

5. Fan timing button(button5): The timing function is divided into three time periods: 1H, 2H, and 4H

- 1) The timing can only be set when the fan is turned on.
- 2) When the scheduled time is up, the fan and LED lights will be turned off.
- 3) When operating the timed cancellation command or simultaneously turning off the fan and light, the timed setting will be cancelled.
- 4) Control sequence: 1H (LED1 flashes once) ->2H (LED2 flashes once) ->4H (LED3 flashes once) ->Cancel timing Loop.

6、安全推出功能

长按总开关 5 秒后风扇停，发射器指示灯闪 3 下，LED 灯继续亮 60 秒后熄灭。

6. Security launch function

Press and hold the main switch for 5 seconds before the fan stops, the transmitter indicator light flashes 3 times, and the LED light continues to light up for 60 seconds before turning off.

7、其他

- 1) 控制板接收响应距离：不隔墙，10 米以内，任何方向。
- 2) 断电保存风扇状态。重新上电后，风扇为断电前状态。
- 3) 断电保存灯的开关，亮度和色温状态。重新电上后，灯为灯电前状态。
- 4) 出厂默认状态为关风扇状态，灯为打开状态且亮度最大。
- 5) 对码方式：开机 30 秒内，长按总开关按键 3 秒。
- 6) 待机功率<1W。
- 7) 定频测试模式，在上电前长按下总开关键和色温键，指示灯闪烁，进入定频测试模式。

7. Other

- 1) Control board receiving response distance: no partition, within 10 meters, in any direction.
- 2) Power off to save the fan status. After re powering on, the fan is in the pre power off state.
- 3) Power off to save the switch, brightness, and color temperature status of the light. After re powering on, the light is in the pre power state.

4) The default factory state is to turn off the fan, and the light is on with maximum brightness.

5) Code matching method: Press and hold the main switch button for 3 seconds after turning on for 30 seconds.

6) The standby power is less than 1W.

7) Fixed frequency testing mode, press and hold the main switch and color temperature keys before powering on, the indicator light will flash, and enter the fixed frequency testing mode.

FCC Information and Copyright

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates,

uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference

to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does

cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is

encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

15.19 Labelling requirements.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC RF warning statement: the device has been evaluated to meet general RF exposure requirement , The device can be used in portable exposure condition without restriction.