

# DALI Rotary dimmer (AC input)

DAR-AC-G1



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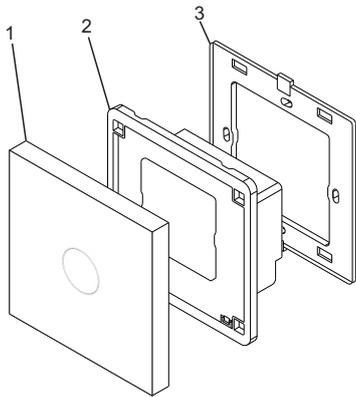
## 1. Technical Parameters

Input Voltage	110-265VAC
Frequency	50/60Hz
Output Voltage	16V (+/-5%)
Output Current	65mA
Output Power	0.95W
Working Temp.	-20-50°C
Size	86*86*51mm (L*W*H)
Weight	190G

## 2. Feature

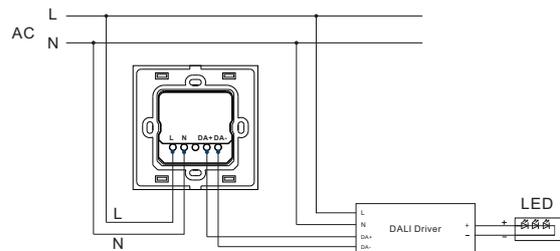
- 1) DALI dimming way: dimming by broadcasting *direct arc power level*
- 2) Max output current: 65mA DC. It could be connected 32 DALI drivers if maximum consumption current is 2mA of each driver.
- 3) LED indicator: When the dimmer is ON, the LED indicator is OFF. When the dimmer is OFF, the LED indicator is ON.

## 3. Part of Device



1. Rotary panel
2. Installation shell
3. Bottom case

## 4. Wiring Diagram



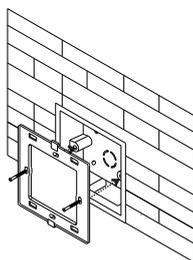
## 5. Operation

- Short press the dimmer is ON/OFF
- When the dimmer is ON, long press the rotary key to dim the brightness up or down. When the dimmer is off, long press the rotary key to turn on dimmer and dim the brightness as well.
- When the dimmer is ON, rotate the rotary key to fine brightness.

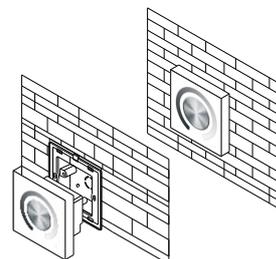
## 6. Working Principle

1. AC Input directly and provide 65mA output current to the DALI signal line
2. With memory function, when power is on, it could automatically return to the state before power-off.
3. Add a power-off detection circuit, EEPROM could be done only if power failure, to avoid continuous reading and writing EEPROM in order to extend the service life of the dimmer

## 7. Instruction manual



- To lock the bottom case on the wall and fix it with the screwdriver



- To buckle the DALI dimmer on the bottom case