

FIVE KEY LED CONTROLLER

TECHNICAL PARAMETERS

Touch Remote Control

- Working Temperature: -20-60°C
- Supply Voltage/Power: 3 Batteries size AAA, 1.5V (included)
- Transmission Frequency: 433.92 Mhz
- Standby Power Consumption: 0.015mW
- Standby Current: 3uA
- Working Current: 200uA
- Emission Current: 10mA
- Remote Distance: about 30m (100 ft)

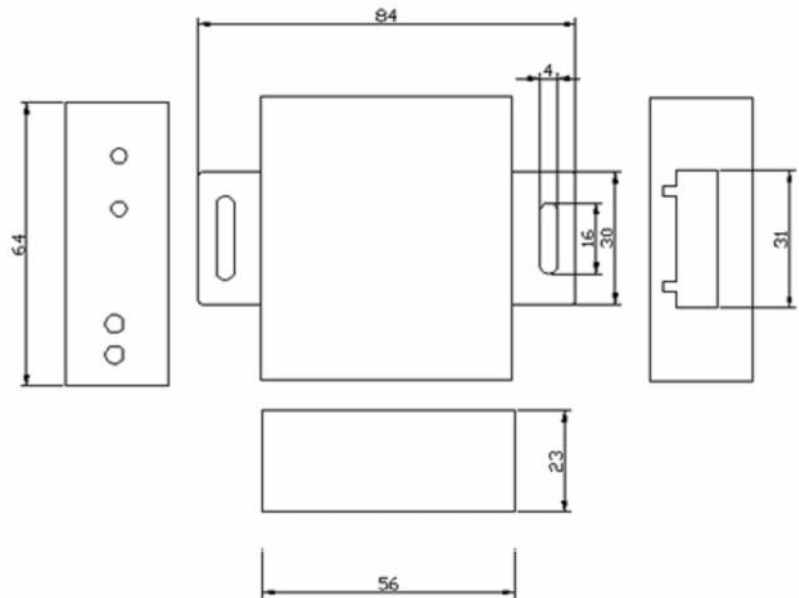
Controller

- Working Temperature: -20-60°C
- Supply Voltage: DC12V-24V
- Output: 3 channels
- Connection Mode: common anode
- External Dimension: L84 x W64 x H23mm
- Static Power Consumption: <1W
- Output Current: <5A (each channel)
- Output Power: 12V:<180W, 24V:<360W


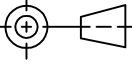


External Dimension (mm)

Dimensions are for reference only



JKL PART NO.: ZCTR-06

| | | | | | | | | | | | |
|----------|------------------------|-------------|---|--|---------------------------------|--|--------------------------|---------------------------|-------------------------------|-----------------|---|
| | | | METRIC | DIMENSIONS ARE IN mm (INCHES) | |  JKL COMPONENTS CORPORATION | | | | | |
| | | |  | TOLERANCE UNLESS OTHERWISE SPECIFIED 1 PL +/- REF. 2 PL +/- ANGLE +/- | | | | | | | TITLE LED RGB REMOTE CONTROLLER |
| B | ADD EUROPEAN CE SYMBOL | 12/19/14 | DRAWN BY L. WENGSTROM | | APPV'D BY DATE L.R. 12/19/14 | | SIZE A | FSCM NO. 55335 | DRAWING NO. ZCTR-06 | | |
| A | REWRITE CHANGES | 9/29/14 | - CAD DRAWING - | | SCALE NONE | | RELEASED DATE 8/31/14 | REVISION DATE 12/19/14 | REV. NO. B | SHEET 1 OF 3 | |
| | RELEASE | 8/31/14 | MANUAL REVISIONS NOT PERMITTED | | | | | | | | |
| REV. NO. | DESCRIPTION/ECO NUMBER | APPV'D DATE | | | | | | | | | |

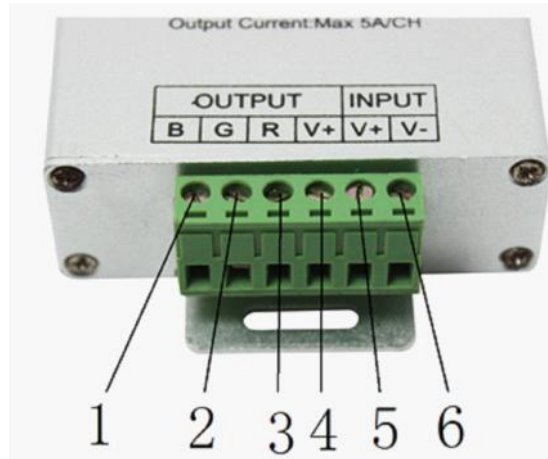
CONTROL DESCRIPTIONS

Button Indicator Descriptions



- (1) **Power Indicator:** lights when connected with an external power supply.
- (2) **RF Signal Indicator:** flashes when receiving correct remote control signal.
- (3) **Match and Clear Code Button:** To clear remote control address code, hold the button power on, this will remove remote control address and the remote control will not work. To match code, press the code button during setup. After matching code, only the remote control with the same address code can be used.
- (4) **Function On/Off and Mode Button:** press and holding this button can turn on/off the output of controller. A short press of the button can switch the mode.

Terminals Descriptions



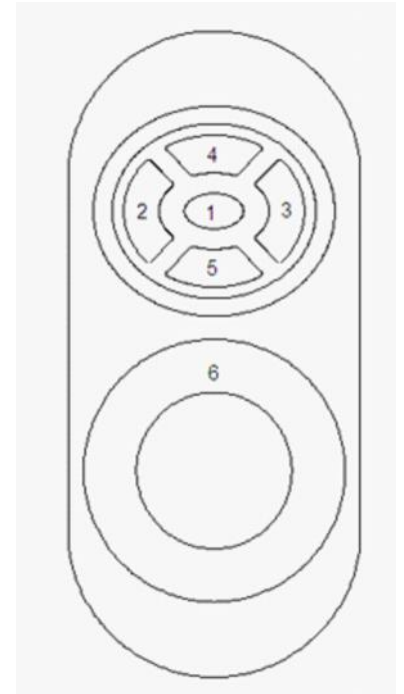
| No. | Name | Type | Description |
|-----|------|--------|---------------------------|
| 1 | B | Output | Blue |
| 2 | G | Output | Green |
| 3 | R | Output | Red |
| 4 | V+ | Output | Common terminal |
| 5 | V+ | Input | The positive power supply |
| 6 | V- | Input | The negative power supply |

JKL COMPONENTS CORPORATION

| | | | |
|------------------|--------------------------|-------------------------------|------------------------|
| SIZE A | FSCM NO. 55335 | DRAWING NO. ZCTR-06 | SHEET 2 OF 3 |
|------------------|--------------------------|-------------------------------|------------------------|

DIRECTION FOR USE OF REMOTE CONTROL

- (1) **On/Off Key:** can turn on/off controller output in any state.
- (2) **Mode Key:** is used to achieve different pattern changes shown in numbers 1-21 in the Table below.
- (3) **White Light Key:** can be pressed to achieve a Cool White light. Press again to bring back full-color mode.
- (4) **Brightness/Speed Increase Key:** you can adjust brightness in static mode (25 levels), you can adjust speed in dynamic mode (100 levels).
- (5) **Brightness/Speed Reduce Key:** you can adjust brightness in static mode (25 levels), you can adjust speed in dynamic mode (100 levels).
- (6) **Color Ring, Static Mode Selection Key:** up to 55 touch points. It is used for selecting the color indicated by color ring.



Battery Power Management: when you stop using the remote for more than 15-20 seconds, the remote control will enter the standby state, to extend the battery life. The color ring cannot be used while in the standby state. Slightly shake once, then the remote will come back to the normal working state.

Pattern Change Functions Table

| No | Patterns | Remarks | No | Patterns | Remarks |
|----|---------------------------|--|----|--------------------|--|
| 1 | Static Red | Brightness is Adjustable, Speed is Unadjustable | 12 | Red stroboflash | Speed is Adjustable, Brightness is Unadjustable |
| 2 | Static Green | | 13 | Blue stroboflash | |
| 3 | Static Blue | | 14 | Purple stroboflash | |
| 4 | Static Cyan | | 15 | Green stroboflash | |
| 5 | Static Purple | | 16 | Yellow stroboflash | |
| 6 | Static Yellow | | 17 | Cyan stroboflash | |
| 7 | Static White | | 18 | White stroboflash | |
| 8 | Three-color Quick Change | Speed is Adjustable Brightness is Unadjustable | 19 | R/B crossfade | Speed is Adjustable, Brightness is Unadjustable |
| 9 | Seven-color Quick Change | | 20 | B/G crossfade | |
| 10 | Three-color Fading Change | Brightness is Unadjustable Speed is Adjustable | 21 | G/R crossfade | |
| 11 | Seven-color Fading Change | | | | |

Note: Functions #19-21 is automatic transitioning of two colors.
Example: #19 changes from red to blue continuously.