

LED CONTROLLER

The LED Dual Remote Controller is designed for LED lighting control. It can control modules, LED ribbons, LED bars, High Power LED modules and other LED lighting fixtures.

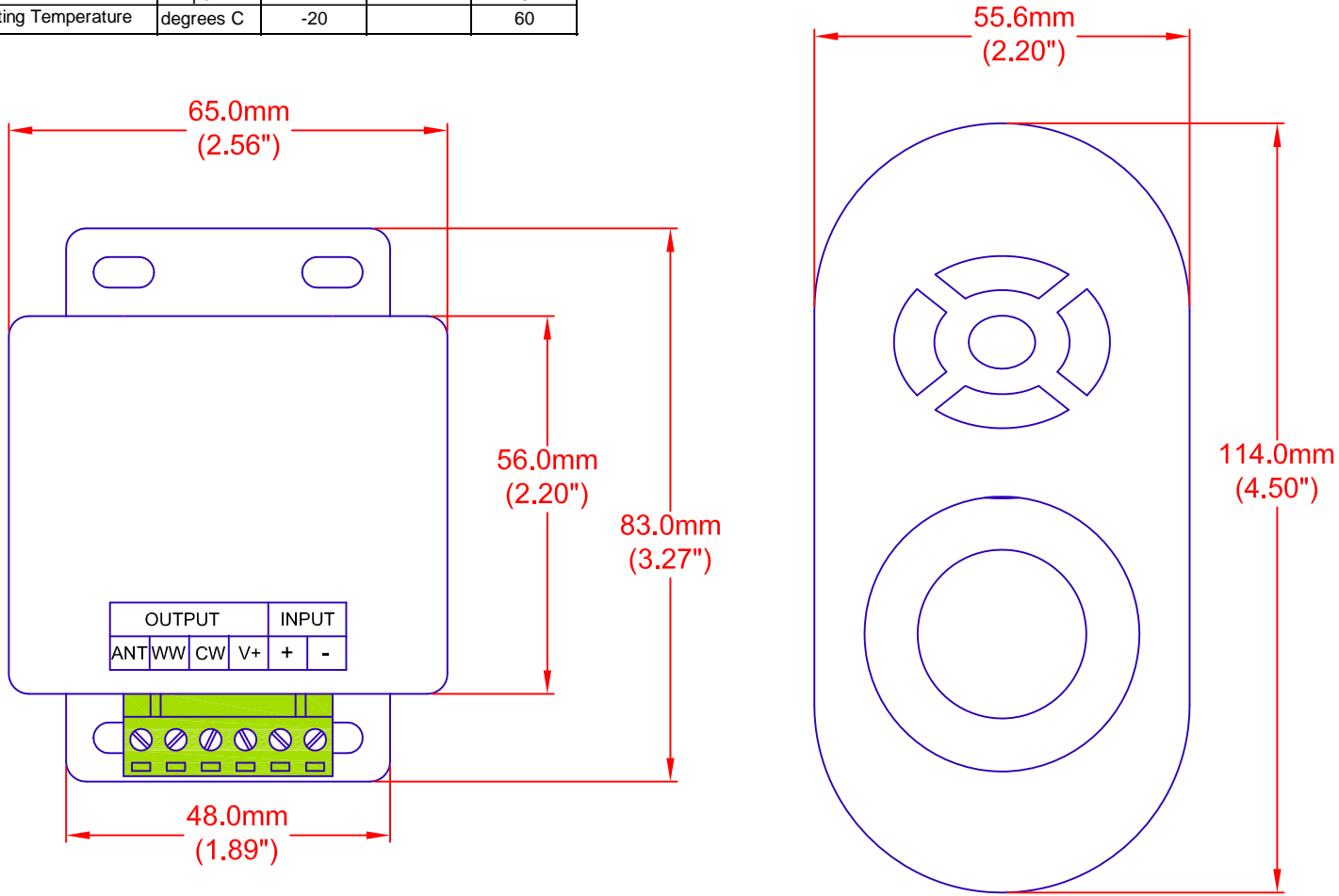
FEATURES

- Seven Button Wireless Remote Control.
- Common Anode CMOS Outputs.

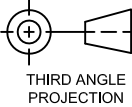


RATINGS

CHARACTERISTICS	UNIT	MINIMUM	TYPICAL	MAXIMUM
Input Voltage	Volts DC		12	24
Load Current	Amps			6
Operating Temperature	degrees C	-20		60



JKL PART NO.: ZCTR-05

		METRIC  THIRD ANGLE PROJECTION		DIMENSIONS ARE IN mm (INCHES) TOLERANCE UNLESS OTHERWISE SPECIFIED 1 PL +/- REF. 2 PL +/- ANGLE +/-		JKL COMPONENTS CORPORATION TITLE LED DUAL WHITE CONTROLLER			
DRAWN BY		APPV'D BY		SIZE	FSCM NO.	DRAWING NO.		ZCTR-05	
L. WENGSTROM		L.R.		A	55335				
DATE		DATE		SCALE	RELEASED DATE	REVISION DATE	REV. NO.	SHEET	
3/31/14		3/31/14		NONE	3/31/14			1 OF 2	
REV. NO.	DESCRIPTION/ECO NUMBER	APPV'D DATE	- CAD DRAWING - MANUAL REVISIONS NOT PERMITTED						

The ZCTR-05 is a multi-function touch LED controller for a dual color temperature LED flex ribbon. It is used to adjust the warmth of color seen as well as the brightness of the LEDs. In conjunction with the ZFS-105000-DBW flex ribbon the controller can adjust the color temperature of the flex ribbon from 6000°K to 3000°K continuously and adjust the brightness from 100% to 20%. Once the light color and brightness is set the controller's memory will retain the setting even after the power has been turned off.

The ZCTR-05 can handle up to 6 Amps of load, 3 Amps for each color string, with either 12 Volts DC or 24 Volts DC for the input voltage. This is equivalent to running 7 meters or 23 feet of the ZFS-105000-DBW. Other flex ribbons can be used, please consult with your JKL company representative for information on how to use other flex ribbons with the ZCTR-05 controller.

The ZCTR-05 controller is easy to set-up and use. The remote control needs 2 AAA batteries placed in and the cover snapped shut. The LED flex ribbon should be placed out where it is to be used and the wiring should be connected to the control box. The tan wire should be connected to the V+ on the output of the controller box. The center white wire should be connected to the CW output and the outside white wire should be connected to the WW output. Power can be applied by either using a power supply with a barrel connector and plugging it into the power connection on the side of the control box or by connecting a power supply up to the input terminal of the connector making sure that the red or positive line goes to the "+" terminal and the black or negative line goes to the "-" terminal. Apply power to the power supply and the system is ready to use.

With the remote control held in your hand with the red and green buttons to the top and the large circle to the bottom press the red button on the left of the remote control to turn on the LEDs. To turn off the LEDs press the red button on the right. The top green button will give the highest brightness when pressed, the middle green button will give a medium amount of light and the bottom button will give the dimmest amount of light. To control the color temperature of the light use the right half of the circle by placing a finger on the circle and moving it up or down the circle to change the color of the light. Up will make the light a warmer color and down will make the light cooler. The brightness can also be controlled by using the left half of the circle. Up will make the light brighter and as you slide your finger down the left side of the circle the light will get dimmer.

There are several precautions that should be taken while planning and assembling the light ribbon, controller, and power supply. Make sure the power supply is of the constant voltage type. Plan the installation of the controller in a well-ventilated area so the controller temperature will not rise above the maximum operating temperature. Make sure all connections are tight, loose connections can lead to overheating and fires. Make sure all connections are done correctly; all positive indications connected together, all negative indications connected together. Do not connect the power to the power supply until all other connections are completed first. Turn off the power before making any changes to the system.

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