

KTSL-FC1-UV-KO

DESCRIPTION

Bluetooth mesh wireless fixture controller for SmartLoop system

APPLICATION

Ideal for small- to medium-size systems, such as schools, offices, auditoriums, and warehouses



PRODUCT FEATURES

- Use of a relay, 0–10V dimming, and a 1/2" knock-out enable compatibility with many standard industry fixtures
- Commissioned via SmartLoop mobile app for iPhone and Android
- Controlled via SmartLoop mobile app, keypad, and sensors
- UL2043 certified for plenum installations
- Utilizes Bluetooth mesh technology for reliable and secure wireless communication
- Intelligent relay control software reduces wear to extend relay life
- Power outage recovery defaults to automatic on state
- Indicator LED communicates device status

ELECTRICAL SPECIFICATIONS

Input Power	120–277VAC, 50–60Hz
Standby Power	<1W
Max Load Current	6A
RF Transmit Power	8dBm
Turn-on Delay Time	< 0.5s
Max 0–10V Sinking Current	10mA
Wireless Frequency	2.4GHz
Wireless Range (Open Air)	100ft
Wireless Protocol	BLE5

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	– 40°C/– 40°F to 55°C/131°F
Storage Temperature	– 40°C/– 40°F to 85°C/185°F
Humidity	5–90%
Lifetime Rating	50,000 hrs
Moisture and Dust Rating	IP20

SAFETY AND EMC COMPLIANCE

UL/cUL	UL8750, UL2043
FCC	Part 15.247



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FACTORY RESET

If a controller is assigned to another region, it will not appear when searching for new fixtures. Perform the following power cycle sequence to factory reset the controller:

1. Power on for 1 second, then off for 10 seconds.
2. Power on for 1 second, then off for 10 seconds.
3. Power on for 1 second, then off for 10 seconds.
4. Power on for 10 seconds, then off for 10 seconds.
5. Power on for 10 seconds, then off for 10 seconds.
6. Turn the fixture back on. The device should now be decommissioned and ready to add to a region.

ORDERING INFORMATION

ORDER CODE	PACK QTY.	EASY CODE	UPC
KTSL-FC1-UV-KO	24	PGZ-80	843654129242

CATALOG NUMBER BREAKDOWN

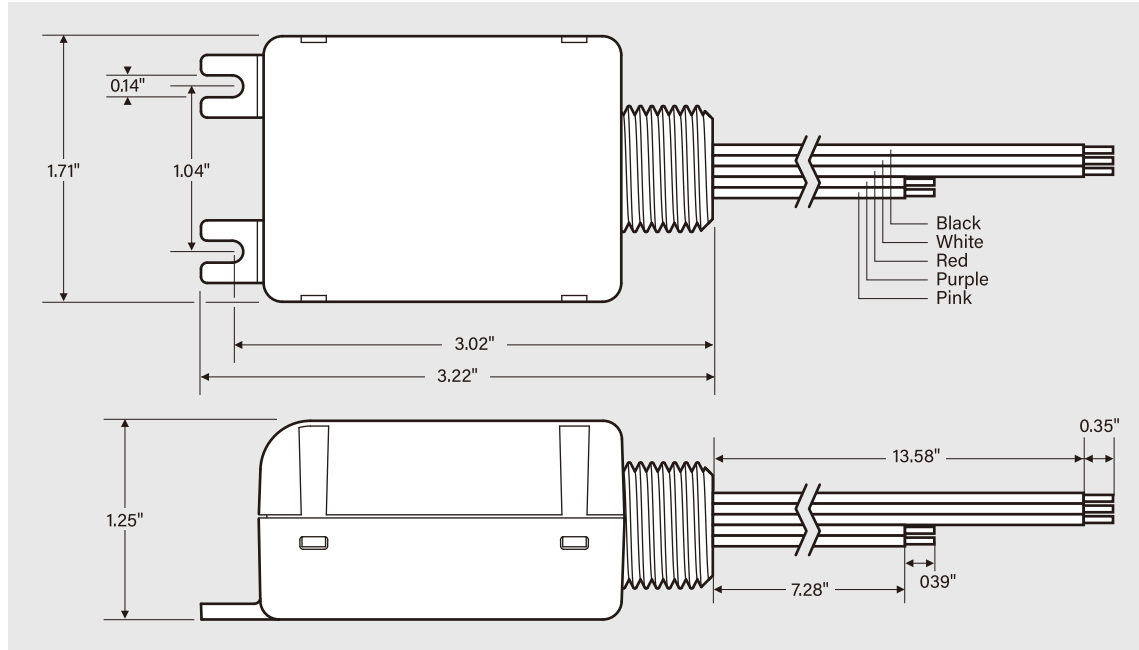
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1**2****3****4****5**

- 1** Keystone Technologies SmartLoop
- 2** Fixture Controller
- 3** Design Style 1
- 4** Universal Voltage
- 5** KnockOut Installation Style

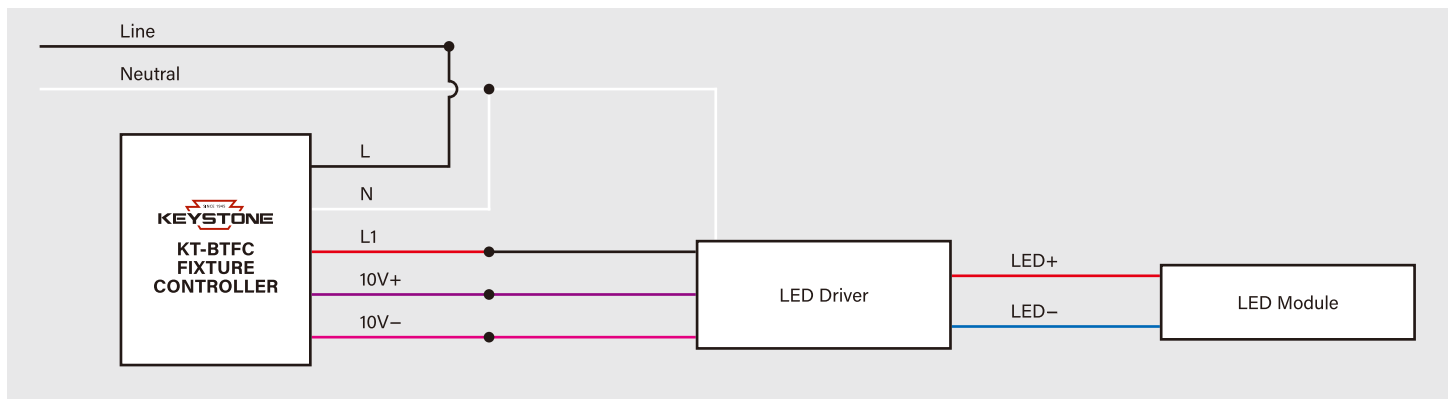
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PHYSICAL SPECIFICATIONS



Mounting	1/2" knockout or screw tabs
Length	3.22"
Width	1.71"
Height	1.25"
Tabs	1.04"
Weight	3.0 oz.
Case Material	Plastic

WIRING DIAGRAM



WIRE SPECIFICATIONS

Name	Function	Color	Gauge	Type	Length	Strip Length
L	Input Hot	Black	18AWG	Solid	13.58"	0.35"
N	Neutral	White			13.58"	0.35"
L1	Switched Hot Out	Red			13.58"	0.35"
10V+	Dimming Level	Purple	22AWG	Stranded	7.28"	0.39"
10V-	Low Voltage Common	Pink			7.28"	0.39"



FCC Statement:

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

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.

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.

RF Exposure

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.