



KTSL-EC1-UV-KO

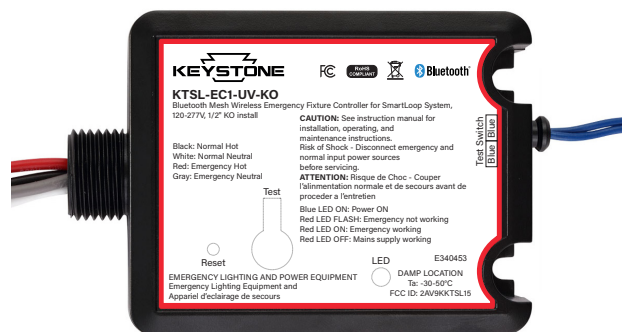
EMERGENCY CONTROLLER

DESCRIPTION

Bluetooth mesh wireless emergency controller for SmartLoop system

APPLICATION

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



PRODUCT FEATURES

- UL 924 compliant emergency lighting control
- Commissioned via SmartLoop mobile app for iPhone
- 1/2" KO installation enables compatibility with many standard industry fixtures
- UL2043 certified for plenum installations
- Utilizes Bluetooth mesh technology for reliable and secure wireless communication
- Forces controlled fixtures into emergency output level during power outage
- Works in conjunction with other SmartLoop devices
- Indicator LED communicates device status
- Includes optional remote test button

ELECTRICAL SPECIFICATIONS

Input Voltage	120-277VAC, 50-60Hz
Input Power	5W
Input Current	30mA
RF Transmit Power	8dBm
Wireless Frequency	2.4GHz
Wireless Range (Open Air)	100ft
Wireless Protocol	Bluetooth v5.0

ENVIRONMENTAL SPECIFICATIONS

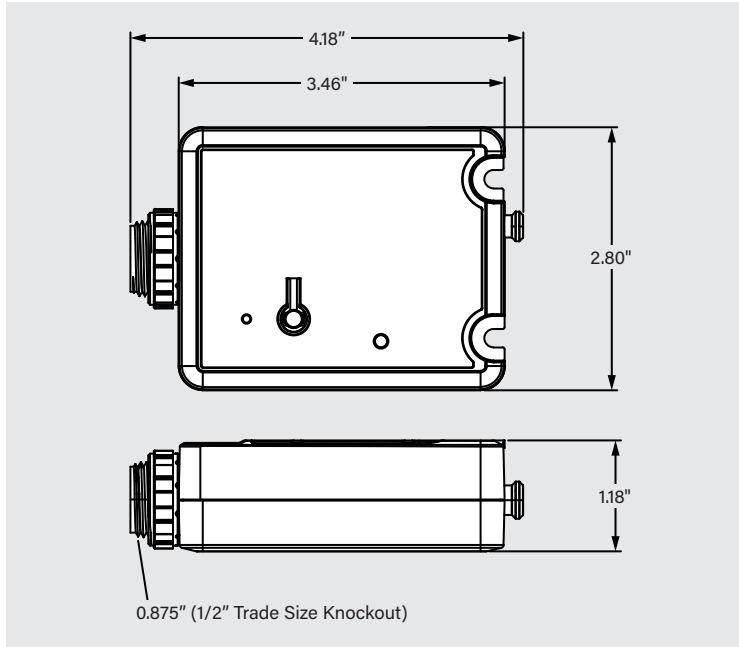
Operating Temperature	-30°C / -22°F to 50°C / 122°F
Storage Temperature	-30°C / -22°F to 85°C / 185°F
Humidity	5-90%
Lifetime Rating	50,000 hrs
Moisture and Dust Rating	IP20

SAFETY AND EMC COMPLIANCE

UL/cUL	UL8750, UL924, UL2043
FCC	Part 15.247

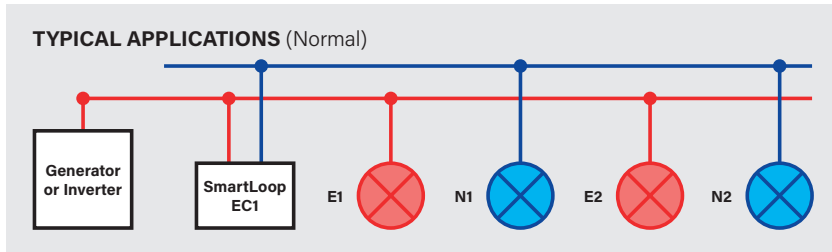
KTSL-EC1-UV-KO EMERGENCY CONTROLLER

PHYSICAL SPECIFICATIONS

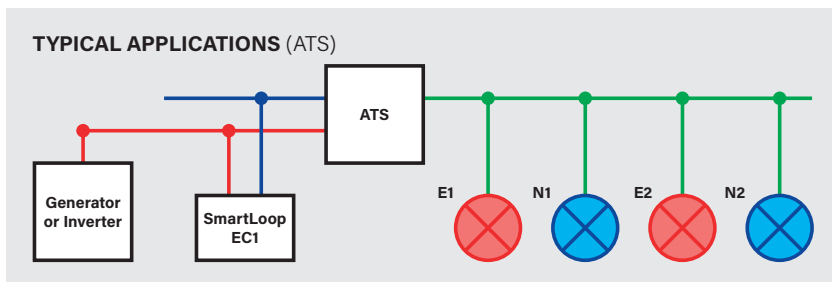


Mounting	0.875" (1/2" Trade Size Knockout) or screw tabs
Length	3.22"
Width	1.71"
Height	1.25"
Tabs	1.04"
Weight	3.0 oz.
Case Material	Plastic

WIRING SPECIFICATIONS



Emergency and normal power supply are separate. All luminaires are controlled by SmartLoop controllers. Emergency luminaires are installed at critical positions and powered by emergency power supply. They only provide lighting under emergency conditions. Other luminaires are powered by normal power supply and only provide lighting under normal conditions.



Emergency and normal power supply are separate. All luminaires are ordinary (dimnable or non-dimnable) without SmartLoop controllers. Emergency luminaires are installed at critical positions and powered by emergency power supply. They only provide lighting under emergency conditions. Other luminaires are powered by normal power supply and only provide lighting under normal conditions.

LEGEND

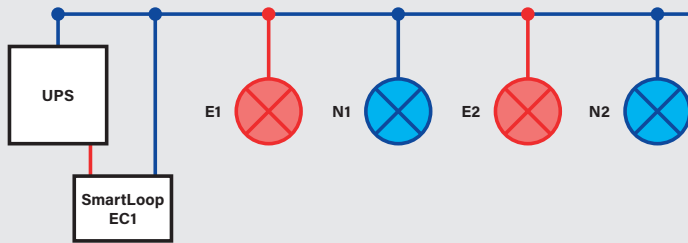
- Normal Power Supply
- Emergency Power Supply
- Luminaire Power Supply
- ⊗ Normal Luminaires
(provides lighting under normal conditions)
- ⊗ Emergency Luminaires
(install at critical positions to provide lighting only under emergency conditions.)
- ATS Automatic Transfer Switch
(automacally switches between normal and emergency power supply to provide continuous power for loads.)

(Wiring Specifications continued on next page)

KTSL-EC1-UV-KO EMERGENCY CONTROLLER

WIRING SPECIFICATIONS (continued)

TYPICAL APPLICATIONS (UPS)

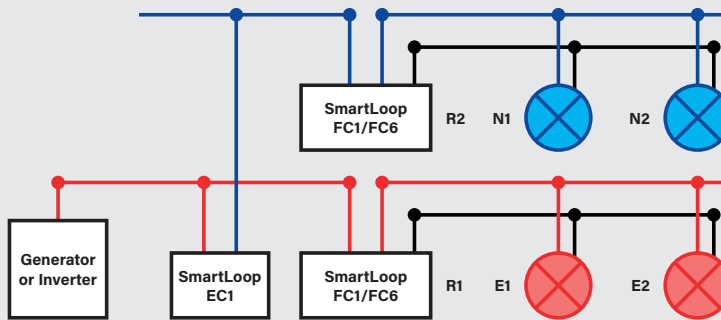


There is only a normal power supply. All luminaires are controlled by SmartLoop controllers. Emergency luminaires are installed with emergency driver and provide lighting under both normal and emergency conditions. Other luminaires are powered by normal power supply and only provide lighting under normal conditions.

LEGEND

- Normal Power Supply
- Emergency Power Supply
- Luminaire Power Supply
- ⊗ Normal Luminaires
(provides lighting under normal conditions)
- ⊗ Emergency Luminaires
(install at critical positions to provide lighting only under emergency conditions.)
- ATS Automatic Transfer Switch
(automatically switches between normal and emergency power supply to provide continuous power for loads.)

TYPICAL APPLICATIONS (Multiple Zone Controllers)



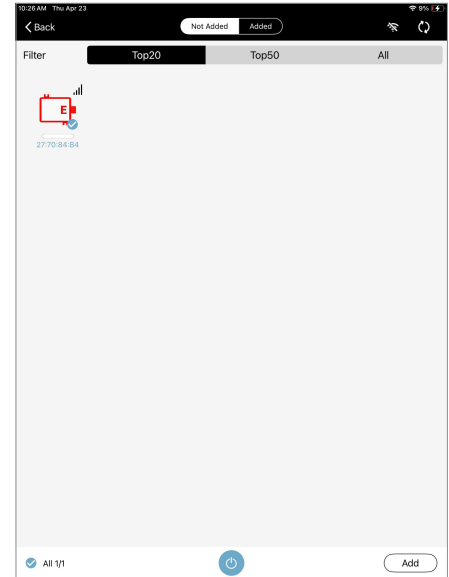
Emergency and normal power supply are separate. All luminaires are ordinary (dimmable or non-dimmable) without SmartLoop controllers. Emergency luminaires are installed at critical positions and powered by emergency power supply. They only provide lighting under emergency conditions. Other luminaires are powered by normal power supply and only provide lighting under normal conditions.



KTSL-EC1-UV-KO EMERGENCY CONTROLLER

COMMISSIONING

1. Search for 'SmartLoop' on the app store for iPhone (iOS 13.0 or later, and Bluetooth 4.0 or later).
2. Navigate to the Devices > Tools page.
3. With controllers installed and lights powered on, press + or Click to Add. The app will begin searching for available controllers.
4. Check  for each controller to be commissioned to the region.
5. Press Add to confirm selections. The selected controller will now appear on the Tools page.
6. For further system commissioning, see User Manual at www.keystonetech.com.



FACTORY RESET

Decommissioning can be done by deleting a controller from the region, a power reset sequence, or by using the reset button for certain models.

In the app:

The phone/tablet must be connected to the device through the mesh network in order for the controller to be factory reset. Otherwise, the controller will simply be removed from the region in the app and will need to be factory reset using one of the other methods below.

1. Go to the Devices > Tools page.
2. Press Select and check  for the desired controllers to decommission.
3. Press Delete and confirm.

Power cycle reset sequence:

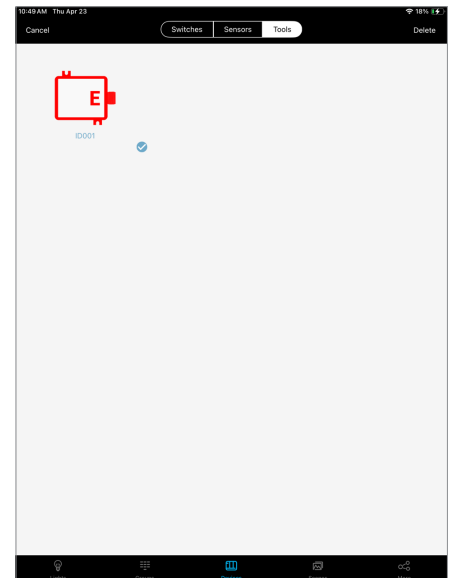
If a controller is assigned to another region, it will not appear when searching for new fixtures.

Perform the below 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 light back on. The device should now be decommissioned and ready to add to a region.

Reset Button:

While the controller is installed and powered on, press and hold reset button for 3 seconds to initiate a factory reset.





KTSL-EC1-UV-KO

EMERGENCY CONTROLLER

ORDERING INFORMATION

Order Code	Pack Qty.	UPC	Easy Code
KTSL-EC1-UV-KO	50	843654181349	QIJ-09

CATALOG NUMBER BREAKDOWN

KTSL-EC1-UV-KO

1 2 3 4 5

- 1 Keystone Technologies SmartLoop
- 2 Emergency Controller
- 3 Design Style 1
- 4 Universal Voltage
- 5 Knockout Installation Style