KTSL-FC2-12V-SM-PIR
INTEGRATED FIXTURE CONTROLLER

DESCRIPTION
Bluetooth mesh wireless low voltage individual fixture controller for SmartLoop system with integrated daylight and PIR motion sensors.

APPLICATION
Ideal for small- to medium-size systems, such as schools and offices. Installs directly into 0-10V fixtures with available 12V auxiliary power.

PRODUCT FEATURES
- Small form factor for unobtrusive installation
- 0-10V control wires for integration with most commercially available fixtures
- 12VDC input (use driver with 12V aux power)
- Installs via 3/8" drilled hole on fixture sheetmetal. Simply drill, route the wires and threaded collar through, and tighten nut to lock into place.
- Driver should be dim-to-off, no relay control on sensor
- Commissioned via SmartLoop mobile app for iPhone and Android

- Controlled via SmartLoop mobile app, keypad, and sensors
- Utilizes Bluetooth mesh technology for reliable and secure wireless communication
- Power outage recovery defaults to automatic on state
- Indicator LED communicates device status
- UL2043 certified for plenum installations
- Suitable for dry and damp locations

ELECTRICAL SPECIFICATIONS

Input Voltage	10-15VDC
Power Consumption	0.2W
RF Transmit Power	8dBm
Max 0–10V Sinking Current	10mA
Wireless Frequency	2.4GHz
Wireless Range (Open Air)	100ft
Wireless Protocol	Bluetooth 4.2
Sensor Detection Height	16' max
Sensor Detection Angle	120º
Daylight Harvesting Range	100-1000 lux

FACTORY SETTINGS

Photo Sensor	Enabled
Motion Sensitivity	100%
Motion Sensor	Enabled
Motion Mode	Occupancy
Hold Time	20m
Standby Time	1m
Standby Percentage	50%

ENVIRONMENTAL SPECIFICATIONS

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Operating Temperature	– 20ºC/–4ºF to 60°C/140ºF
Storage Temperature	– 40ºC/– 40ºF to 85°C/185ºF
Humidity	5–95%
Lifetime Rating	>100,000 hrs
Moisture and Dust Rating	Suitable for dry and damp locations

SAFETY AND EMC COMPLIANCE

UL/cUL	UL8750, UL2043
FCC	Part 15.247

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PHYSICAL SPECIFICATIONS

WIRING DIAGRAM

KTSL-FC2-12V-SM-PIR Fixture Controller/Sensor
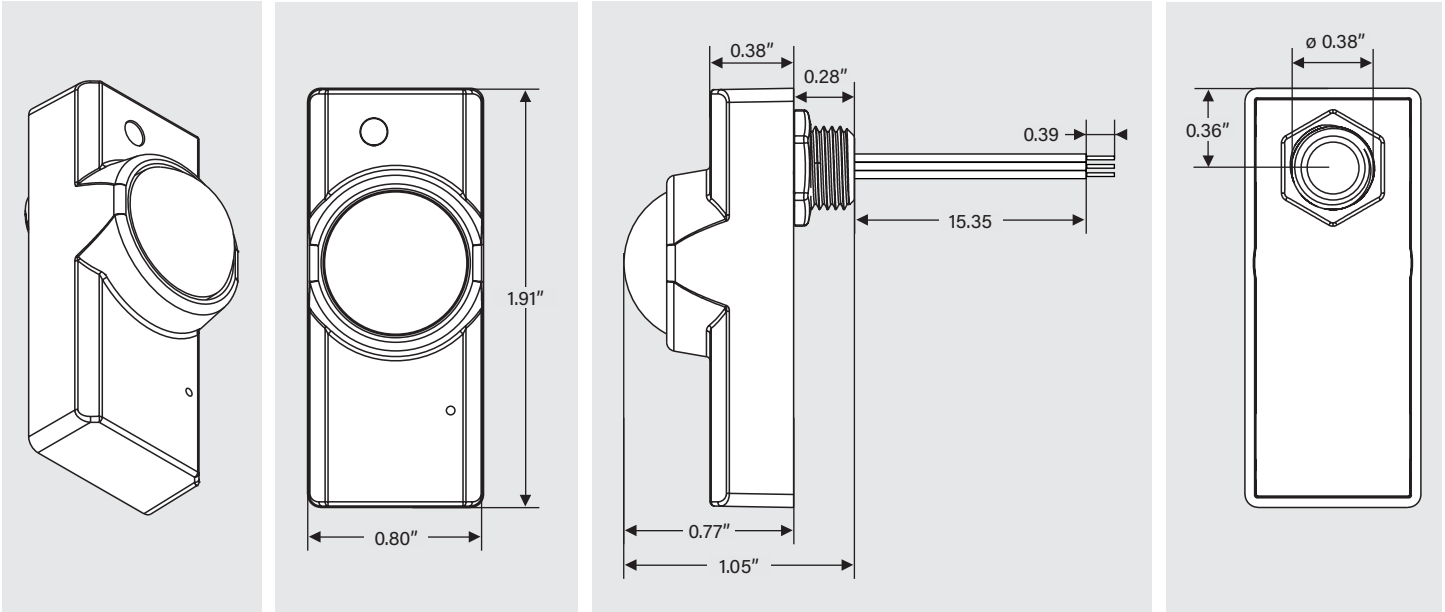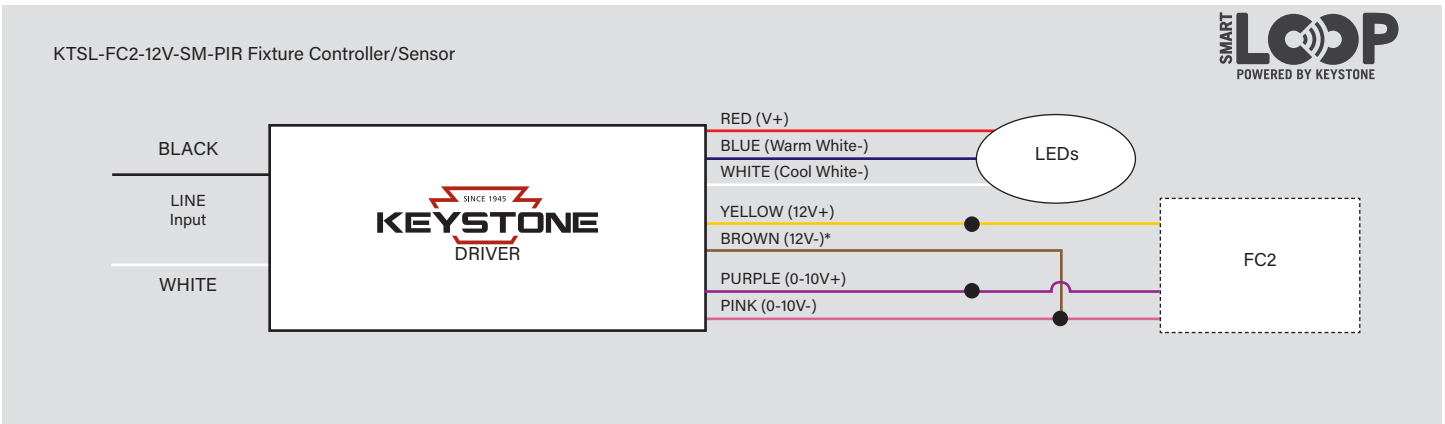
Brown wire may not be present on some Keystone LED drivers. If no brown wire, the 12V- is shared through the pink 0-10V- connection. For more information, please contact Keystone Technologies.
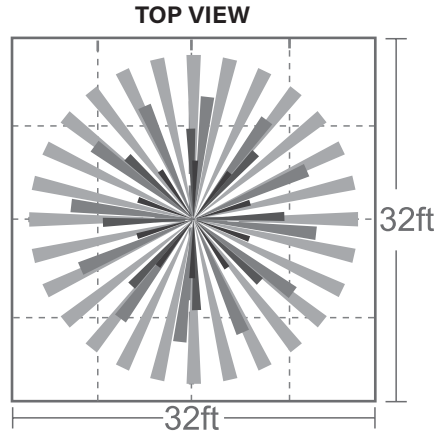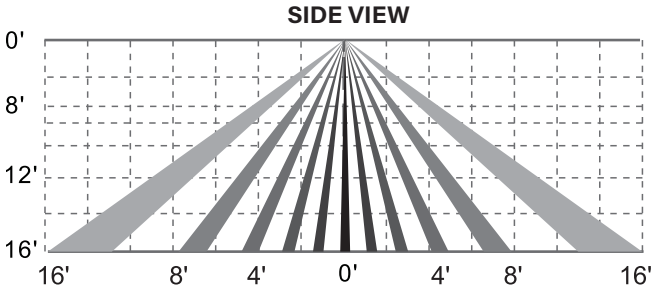
WIRE SPECIFICATIONS

Name	Function	Color	Gauge	Type	Length	Strip Length
+12V	Aux Power	Yellow				
10V+	Dimming Level	Purple	22AWG	Stranded	15.35"	0.39"
10V–	Low Voltage Common	Pink				

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LENS COVERAGE

SIDE VIEW

TOP VIEW

32ft

32ft

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-FC2-12V-SM-PIR	54	TCM-01	843654135236

CATALOG NUMBER BREAKDOWN

KTSL-FC2-12V-SM-PIR
1   **2** **3**   **4**   **5**   **6**

1 Keystone Technologies SmartLoop
2 Fixture Controller
3 Design Style 2
4 Low Voltage
5 Surface Mount
6 PIR Sensor Type