KTSL-FC5-12V-IM-PIR-X
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. Can be integrated into fixtures that have a 0-10V, dim-to-off driver, with 12V auxiliary power.

PRODUCT FEATURES

- Small form factor for unobtrusive installation and sleek aesthetic
- 0-10V control wires for electrical integration with most commercially available fixtures
- 12VDC input (use driver with 12V aux power)
- Installs via easy snap-in to fixture's premade mounting hole
- Available in White and Black
- Driver should be dim-to-off, no relay control on sensor
- Commissioned via SmartLoop mobile app for iPhone

- 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
- Suitable for dry and damp locations

ELECTRICAL SPECIFICATIONS

Input Voltage	12VDC
Power Consumption	0.3W
RF Transmit Power	10.5dBm
Max 0–10V Sinking Current	10mA
Wireless Frequency	2.4GHz
Wireless Range (Open Air)	100ft
Wireless Protocol	Bluetooth 5.0
Sensor Detection Height	18' max
Sensor Detection Angle	120º
Daylight Harvesting Range	100-1000 lux

FACTORY SETTINGS

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

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-30°C/-22°F to 55°C/131°F
Storage Temperature	-30°C/-22°F to 85°C/185°F
Humidity	5–95%
Lifetime Rating	>100,000 hrs
Moisture and Dust Rating	Suitable for dry and damp locations

SAFETY AND EMC COMPLIANCE
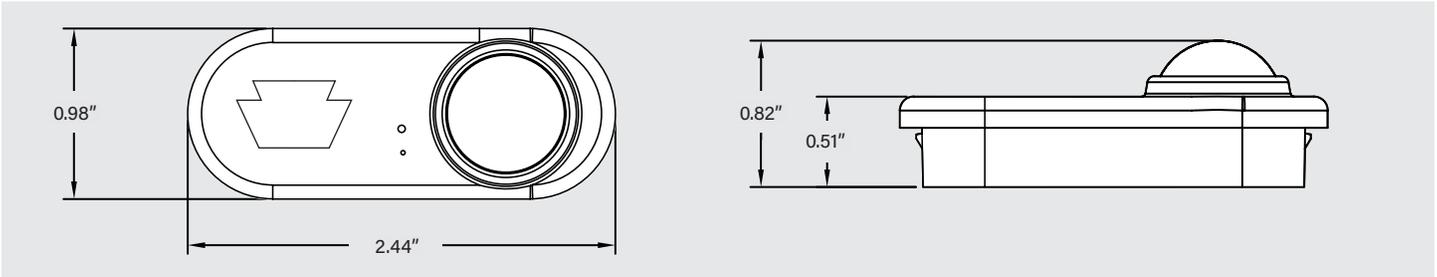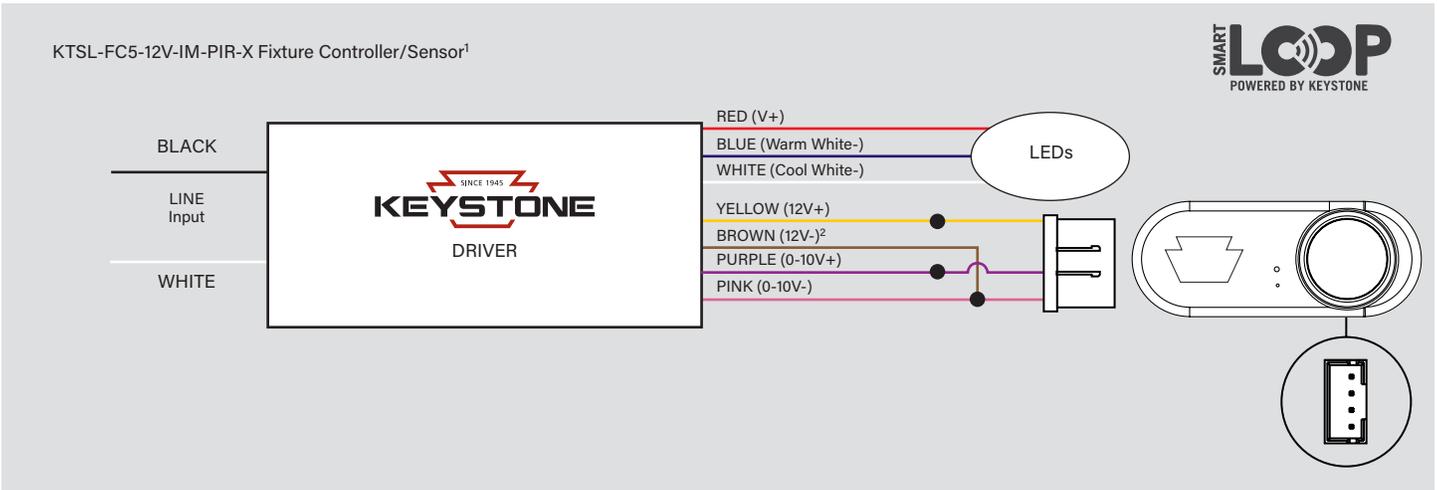
UL/cUL	UL8750, UL1376
FCC	Part 15.247

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PHYSICAL SPECIFICATIONS

WIRING SPECIFICATIONS

KTSL-FC5-12V-IM-PIR-X Fixture Controller/Sensor[1]
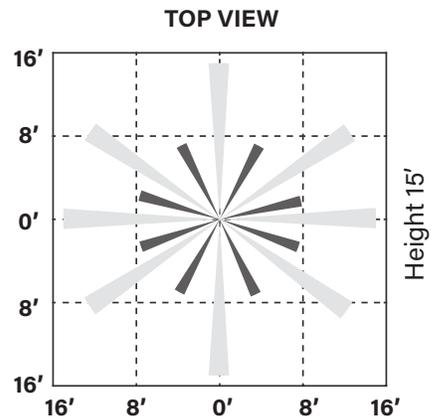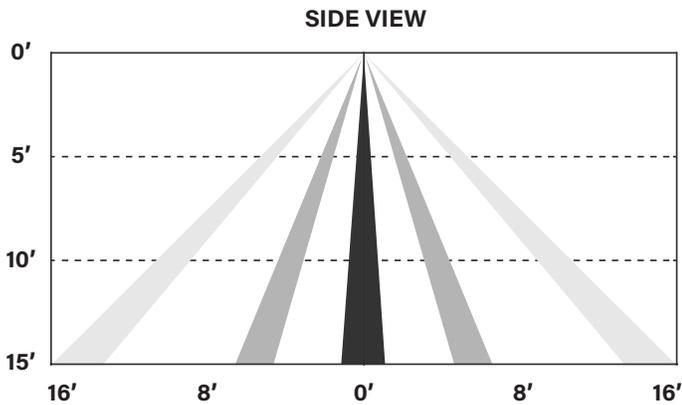

[1]Sensor itself does not have loose leads. Wiring diagram shown as sensor being used with wiring harness accessory KTSL-FC5-WH-23, which includes preinstalled connector to plug into sensor.
[2]Brown wire may not be present on some Keystone LED drivers. If no brown wire, the 12V- is shared through the pink 0-10V- connection. For more information, please contact Keystone Technologies.
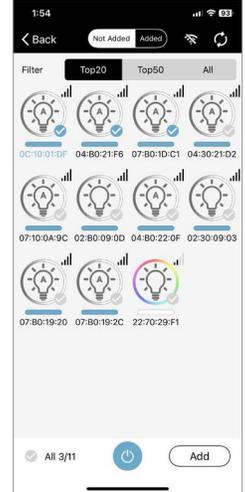
LENS COVERAGE

SIDE VIEW

TOP VIEW

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COMMISSIONING

1. Search for 'SmartLoop' on the app store for iPhone (iOS 8.0 or later, and Bluetooth 4.0 or later).
2. With controllers installed and lights powered on, press + or Click to Add. The app will begin searching for available lights.
3. Check ✔ each light to be commissioned to the region.
4. Press Add to confirm selections. The selected lights will now appear on the Lights page.
5. 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 light will simply be removed from the region in the app, and the controller will need to be factory reset using one of the other methods below.
1. Go to the Lights page.
2. Press Select and check ✔ the desired lights 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 installed in a powered lamp, press and hold reset button for 3 seconds to initiate a factory reset.

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ORDERING INFORMATION

ORDER CODE	PACK QTY.	UPC	EASY CODE
KTSL-FC5-12V-IM-PIR	200	843654164342	ODF-32
KTSL-FC5-12V-IM-PIR-B	200	843654164359	OJA-51
KTSL-FC5-12V-IM-PIR-S*	200	843654172347	PHP-99

Special Order Only

CATALOG NUMBER BREAKDOWN

KTSL-FC5-12V-IM-PIR-X
1 2 3 4 5 6 7

1 Keystone Technologies SmartLoop
2 Fixture Controller
3 Design Style 5
4 Low Voltage
5 Integrated Mount
6 PIR Sensor Type
7 Housing Color

7 Housing Color

-	White
B	Black
S	Silver*

Special Order Only