# FEELUX

**Feelux Lighting, Inc.**

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## IR Sensor Switch FLS-M24V and FLS-P24V                 Installation Instructions

### Please read before assembly and installation of Feelux product

1. Before attempting to install or use fixture, read and understand the installation instructions and safety labels If you have any questions, please contact Feelux Technical support at 678-668-7005 ext 4,

2. Feelux product must be installed by a qualified electrican in accordance with all national and local electrical and construction codes and regulations.

3. Ensure that the main power supply is off before installing or wiring a fixture.

4. Ensure that the power to the series is off before connecting or disconnecting individual fixtures.

5. Do not use a fixture if the unit, lens, housing or power cables are damaged.

6. Do not attempt to repair. Fixtures have no serviceable parts and there is risk of shock.

7. Do not use a fixture for any voltage for which it is not rated, Do not exceed the specified voltage and current input for any fixtures.

8. To complete cable and fixture connections, press together until there is an audible click.

9. To disconnect, twist apart. Do not pull apart.

10. The screws included are for millwork. Please use the appropriate screws for the application.

11. If using magnetic mounting, ensure that magnets and plates are properly aligned.

12. This device complies with Part 15 of the FCC rules.

13. Class B Digital Apparatus complies with Canadian ICES-003

14. Feelux FLX Stix fixtures are damp rated and closet approved.

### Approved Drivers and Transformers

IR Sensor Switch FLS-M24V and FLS-P24V can be installed with the following approved drivers:

    Feelux FLC and XLD Series Drivers

Please consult Feelux for compatibility with other power supplies and drivers.

**Use only with Feelux power supply or class 2 power supply  ( For USA market )**

## Step 1. Verify electrical plan.

1.  Calculate the number of fixtures each circuit can support based on: model of fixture, circuit load and cable length.

2.  If you have questions, contact your local Feelux representative or Feelux.

## Step 2. Check that all components are on site.
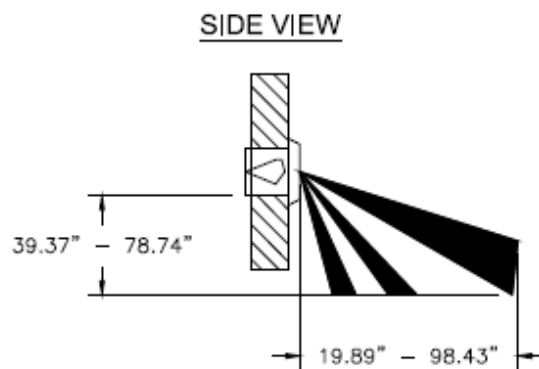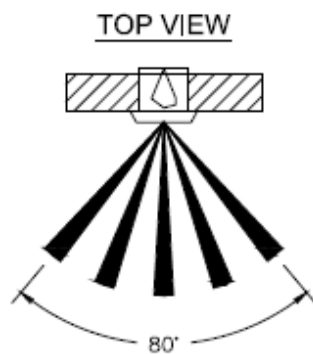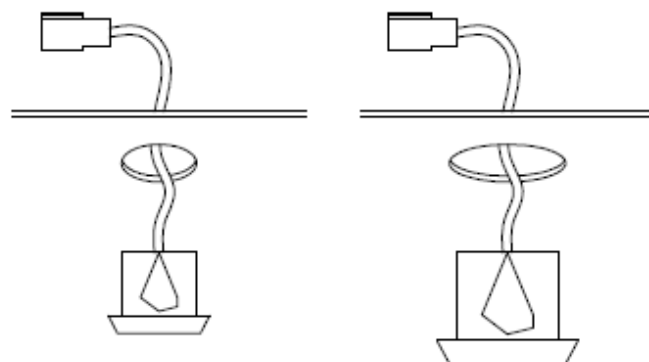
## Step 3. Installation / Mounting

1.  Drill hole to correct diameter according to Model Number.

2.  Place cable through hole as shown.

3.  Press Sensor into hole

ø.51
(ø1/2)

ø.79
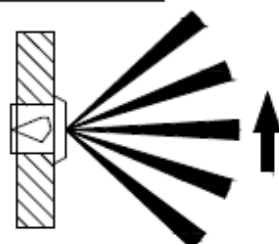(ø13/16)
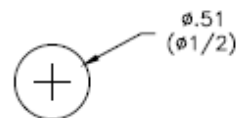
### FLS-M24V
Hole diameter for
Mounting Sensor

### FLS-P24V
Hole diameter for
Mounting Sensor

TOP VIEW

SIDE VIEW

39.37" − 78.74"

80°

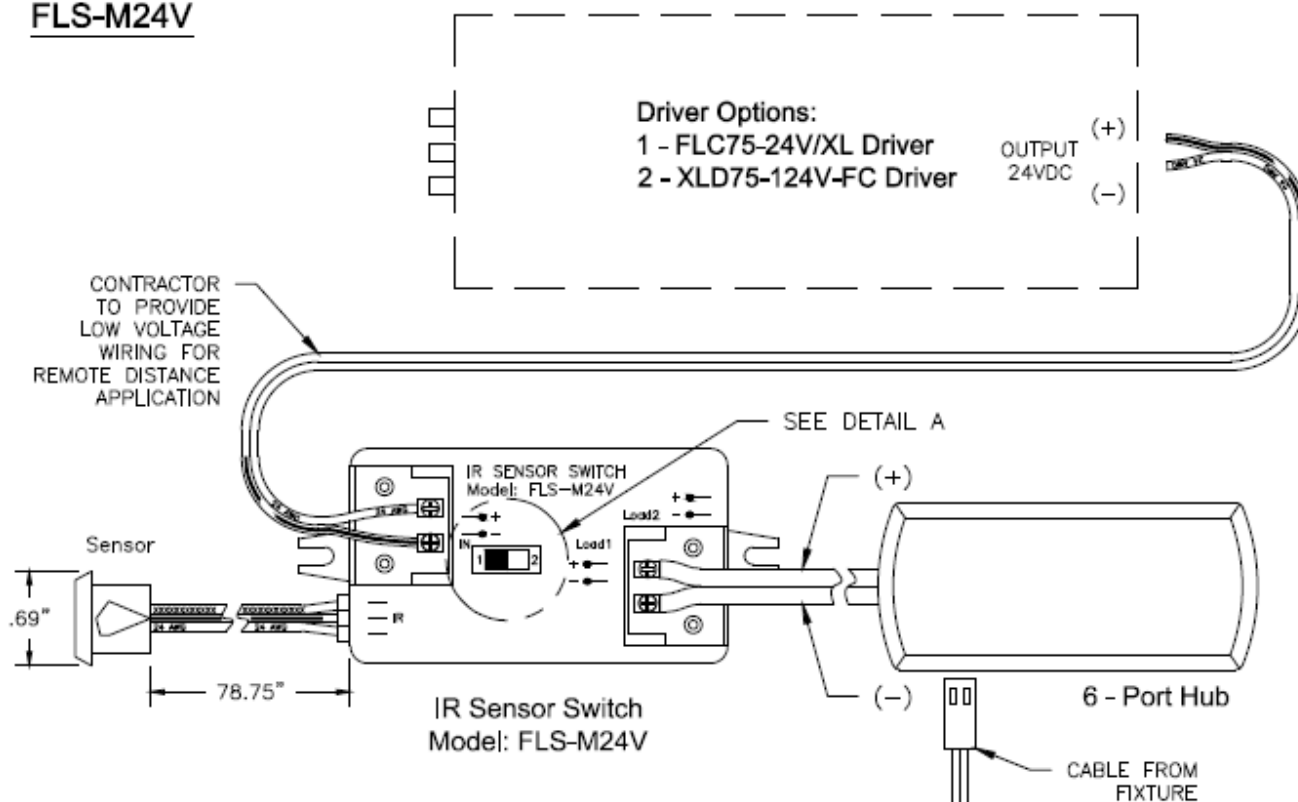19.89" − 98.43"

GOOD SENSITIVITY

POOR SENSITIVITY
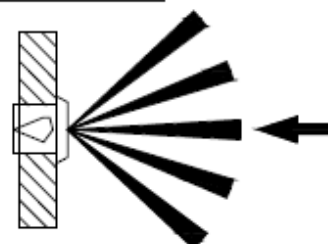
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## Step 4. Connecting IR Sensor Switch

1. Make sure the Driver is unplugged (No Power).
2. Remove 6 - Port Hub cable from Output side of Driver.
3. Connect 6-Port Hub cable to IR Sensor Switch load side (+) and (-).
4. Plug Spot cable connector into 6 - Port Hub.
5. Connect wire (Not Supplied) from Output side of Driver (+) and (-) to IR Sensor Switch (+) and (-). Confirm that (+) connects to (+) and (-) connects to (-).
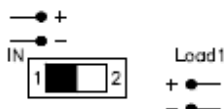6. Plug in Driver power cord to power source.

### FLS-M24V

Driver Options:
1 - FLC75-24V/XL Driver
2 - XLD75-124V-FC Driver
OUTPUT 24VDC (+) (−)

CONTRACTOR TO PROVIDE LOW VOLTAGE WIRING FOR REMOTE DISTANCE APPLICATION

SEE DETAIL A

IR SENSOR SWITCH
Model: FLS-M24V

Sensor

.69"

78.75"

IR Sensor Switch
Model: FLS-M24V

(+)

(−)

6 - Port Hub

CABLE FROM FIXTURE

### Detail A
Switch settings

**Mode 1 (Factory Setting):**
Most suitable for cabinet installation
1. Once connected to power supply, the fixture will turn on
2. Fixture will automatically turn off when door is closed
3. Fixture will automatically turn on when door is opened
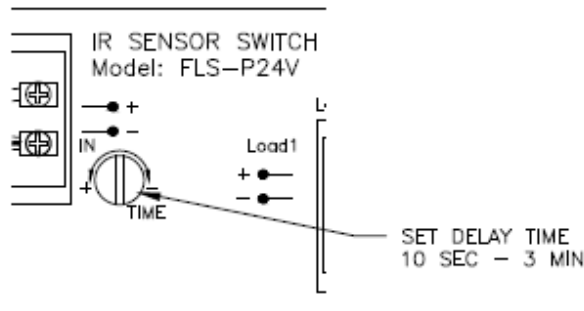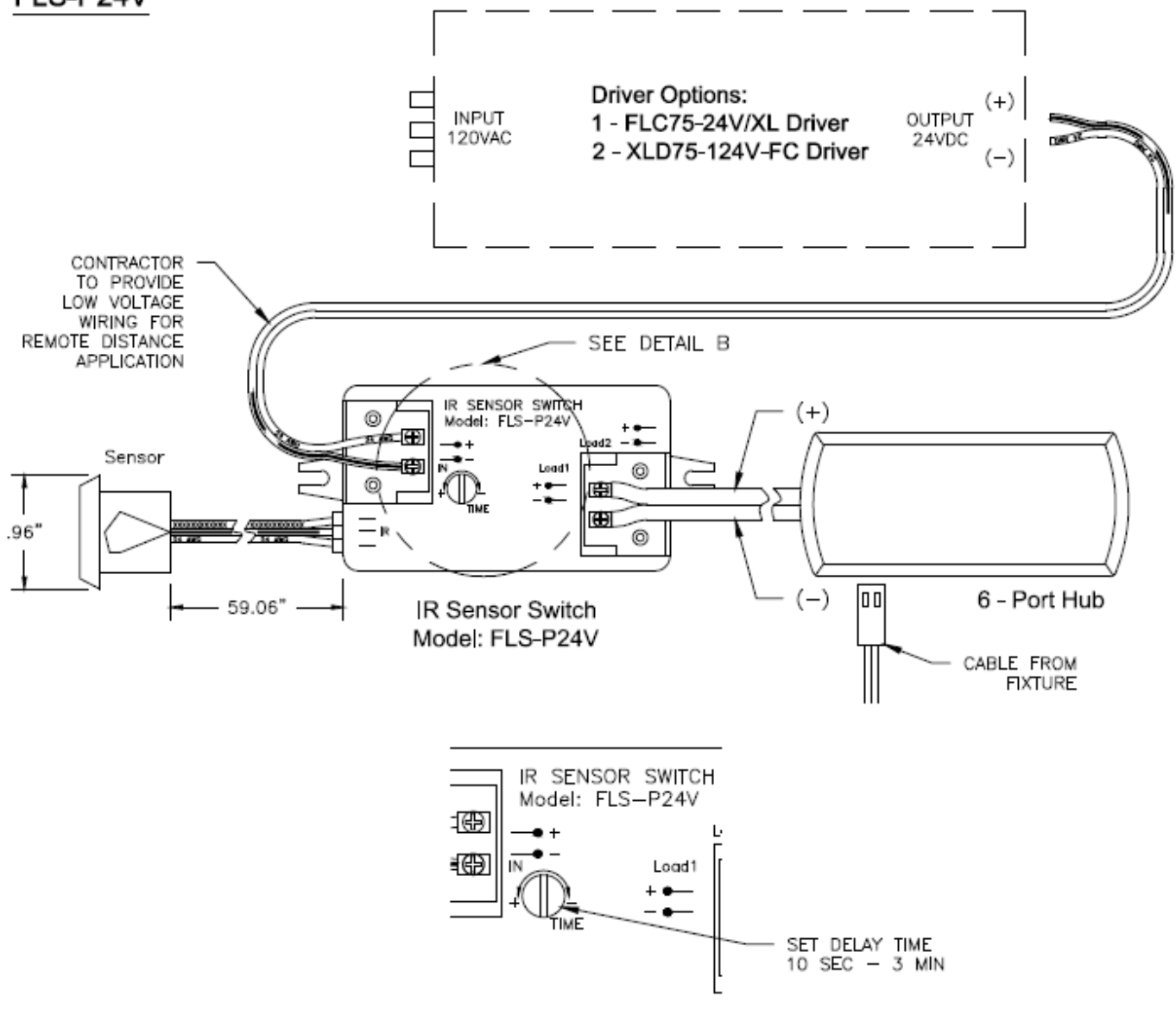
IR SENSOR SWITCH
Model: FLS-M24V
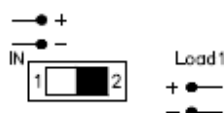
**Mode 2:**
If the fixture remains off once connected to the power supply, wave hand in front of the sensor to turn on. Wave hand in front of sensor again to turn off. If the fixture turns on once connected to the power supply, wave hand in front of sensor to turn off. Wave hand in front of sensor again to turn back on. Memory function returns fixture to last brightness setting before shut-off.

IR SENSOR SWITCH
Model: FLS-M24V

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## Step 4. Connecting IR Sensor Switch

1. Make sure the Driver is unplugged ( No Power ).
2. Remove 6 - Port Hub cable from Output side of Driver.
3. Connect 6-Port Hub cable to IR Sensor Switch load side ( + ) and ( - ) .
4. Plug Spot cable connector into 6 - Port Hub.
5. Connect wire ( Not Supplied ) from Output side of Driver ( + ) and ( - )
   to IR Sensor Switch ( + ) and ( - ) . Confirm that ( + ) connects to ( + )
   and ( - ) connects to ( - ) .
6. Plug in Driver power cord to power source.

### FLS-P24V



Driver Options:
1 - FLC75-24V/XL Driver
2 - XLD75-124V-FC Driver

IR Sensor Switch
Model: FLS–P24V

**Detail B**
Time Setting

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