MaxLiTe®
A NEW WAVE OF LIGHT

PROJECT NAME:_____ CATALOG NUMBER:_____

NOTES:_____ FIXTURE SCHEDULE:_____

PIR DAYLIGHT/MOTION SENSOR

FSP-211

MSWSFSP221B-D
(Drop Mount)

MSWSFSP221B-S
(Straight Mount)

REMOTE CONTOL

DESCRIPTION:

These fixture mounted sensors provide multi-level control based on motion and/or daylight contribution. They control 0-10 VDC LED drivers or dimming ballasts, as well as non-dimming ballasts. When mounted and affixed with appropriate lens, the sensor is rated for wet and cold locations.

FEATURES:

- Provides line voltage On/Off switching and 0-10VDC dimming control
- Provided with a 360° lens
- IP66 rated (MSWSFSP221B only)
- High and low modes fully adjustable from 0 to 10V
- Time delay from 5 to 30 minutes
- Optional cut off delay
- Adjustable ramp up and fade down times
- Optional daylighting setpoints
- Polycarbonate construction; flame retardant, UV resistant, impact resistant, recyclable
- Initial setup and subsequent sensor adjustments are made using a Remote Control (FSIR-100). See Page 3 for more information

OPERATION:

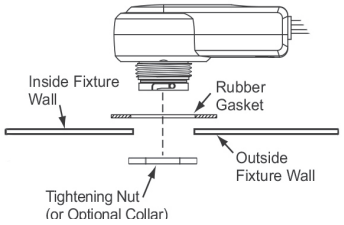
- The MSWSFSP221B mounts to a fixture/enclosure with a 1/2" knock out, and operates at 120-277V and 347-480V (MSWSFSP221B only)
- No power pack is required
- The sensor uses passive infrared (PIR) sensing technology
- Once the sensor stops detecting movement and the time delay elapses, lights will go from high to low mode and eventually to an OFF position if it is desired
- Avoid placing the sensor where obstructions may block the sensor's line of sight
- During the sensor warm-up period, which can last up to 5 seconds after initial power-up (or after a lenghty power outage), the load will remain ON until the selected time delay expires

WARRANTY:

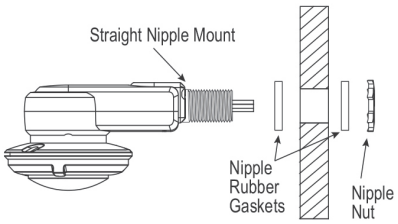
5-year standard warranty* (further details available at www.maxlite.com/warranties)

*Product may be eligible for a warranty extension to 10 years, for an additional fee. Contact MaxLite for details.

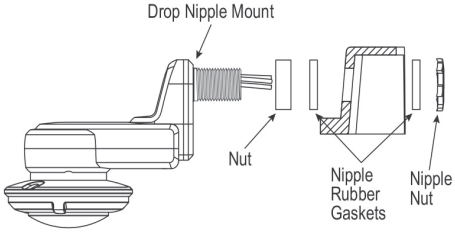
MOUNTING OPTIONS:



Internal FSP-211



External MSWSFSP221B-S



External MSWSFSP221B-D

SPECIFICATION:

SPECIFICATION	DETAILS	
VOLTAGE	FSP 211	120-277V
	MSWSFSP221B	120-480V
OPERATING TEMPERATURE	-40°F (-40°C) to 167°F (75°C)	
DIMENSIONS	COLLAR	1.30” DIA
	COLLAR HEIGHT	0.64”
	BODY	5.7”L x 2.3”W x 3.5”H
WEIGHT	2.8 OZ	
COVERAGE	FSP-L2 LENS @ 8FT	up to 48’ DIA
	FSP-L3 LENS @20FT	up to 40’ DIA
	FSP-L7 LENS @40FT	up to 100’ DIA
ADJUSTMENTS AND FEATURES	HIGH MODE	0V-10V
	LOW MODE	0V-9.8V, OFF
	TIME DELAY	30 SEC, 1 MIN-30MIN
	CUT OFF	DISABLE, 1MIN-59MIN, 1HR-5HR
	PHOTOCELL SETPOINT	1-250FC
FACTORY DEFAULTS	HIGH MODE	10V
	LOW MODE	1V
	TIME DELAY	5 MIN
	CUT OFF	1 HR
	SENSITIVITY	MAX

REMOTE CONTROL OPERATION:

- If no configuration steps are taken, the sensor will use its default parameter values.
- The FSIR-100 provides wireless access to the FSP-211 sensors for parameter changes and testing.
- The FSIR-100 display shows menus and prompts to lead you through each process.
- The menu screen shows the current status of the sensor and allows for parameters such as mode, sensitivity, time delay, cut off changes and storage.
- The FSIR-100 operates on three standard 1.5V AAA Alkaline batteries or three rechargeable AAA NiMH batteries.
- When trying to communicate with the sensor, be positioned under the sensor without any obstructions. Every time the commissioning tool establishes communication, the controlled load will cycle.

REMOTE CONTROL NAVIGATION:

- Navigate from one field to another using (up) or (down) arrow keys. The active field is indicated by flashing (alternates) between yellow text on black background and black text on yellow background. Once active, use the Select button to move to a menu or function within the active field.
- Value fields are used to adjust parameter settings. They are shown in “less-than/greater-than” symbols: <value>. Once active, change them using(left) and(right) arrow keys. The right key increments and the left key decrements a value. Selections wrap-around if you continue to press the key beyond maximum or minimum values. Moving away from the value field overwrites the original value.
- The Home button takes you to the main menu.
- The Back button takes you back one screen. Changes that were in process prior to pressing the key are lost.

TROUBLESHOOTING

Lights will not go to High Mode:

- Check all wire connections and verify the load and the ground wires are tightly secured.
- Make sure that the sensor is not obstructed.
- Check light level parameter, to find out the amount of light that the sensor is detecting. Cover the sensor lens to simulate darkness in the room. If the lights come ON, the setpoint needs to be adjusted. If set for minimum, more than 1 fc at the sensor of ambient light will cause the lights to be held OFF. See the new settings section for instructions.

Communication is not successful:

- Move closer to the sensor, If still not successful, there may be too much IR interference from other sources. Programming the unit at night when there is no daylight available may be the only way to communicate with the sensor.

Lights will not go into Low Mode:

- The time delay can be set from a minimum of 30 seconds to a maximum of 30 minutes. Ensure that the time delay is set to the desired delay and that there is no movement within the sensor’s view for that time period.
- To quickly test the unit operation, enable test mode and move out of the sensor’s view. Lights should fade to low mode after 5 seconds.

Lights will not turn OFF:

- Cut Off time may be set to “None.”
- Ensure that the Cut Off is set to the desired time and that there is no movement within the sensor’s view for that time period when the lights are in Low Mode.
- To quickly test the unit operation, enable test mode and move out of the sensor’s view. Lights should fade to low mode after 5 seconds, and the OFF (if cut off is enabled) after 10 sec.

Lights do not turn ON:

- Check for blinking red LED. If the LED blinks with long pulses, as opposed to short pulses, the sensor has reached its Hold Off setpoint or Photocell Light Level setpoint.

Lights suddenly turn off and will not come back on:

- Check for blinking red LED. If the LED blinks with long pulses, as opposed to short pulses, the sensor has reached its Hold Off setpoint or Photocell Light Level setpoint.