

ON/OFF MOTION SENSOR SUPPLEMENT
MSITXLOS509SFCCNTRL



PRODUCT DESCRIPTION:

The ON/OFF Motion Sensor is a line voltage switching occupancy sensor designed for energy efficient lighting control. This sensor will provide full power output for a ballast or an LED module when it detects the presence of an occupant, or vehicle, and switch off after the area is vacated for a period of time. The ON/OFF Sensor is available with various mounting options and interchangeable lenses. The sensor is designed to operate in the coldest of environments, down to -40°C/°F (Please consult fixture datasheet for system operating limits).

FEATURES:

- Omni-directional quad element infrared sensor
- 100~277VAC universal line voltage powered
- Frequency detection zero-cross relay switching
- Walk test and sensor operation LED indicator
- Direct lead wires for easy wiring connections
- 7 different ambient light level selection via Accu-Set potentiometers
- Available with variety of mounting options
- Available with interchangeable lens options
- cULus listed

INSTALLATION NOTES

- The sensor is more sensitive to the movements “crossing” the detection zones than “toward” or “away” the sensor unit. To obtain better sensitivity, avoid placing the sensor in line with occupant path, if possible.
- The closer the movement is to the sensor, the more sensitive the sensor is. The higher the sensor is installed, the larger movement is required to be detected.
- Ensure to place the sensor at least at 1.5m (5 ft.) away from air supply ducts as rapid air flow may cause false activations.
- The sensor cannot “see” the movements behind obstacles, such as furniture, shelf, glass or partition. As a general rule, each occupant should be able to clearly view the sensor unit.
- For open office areas with partition which could block the sensor view to occupant movements, it is best to place the sensors over the intersection of multiple workstations. For large areas of open office or space, place multiple sensors so that there is overlap coverage with each adjacent sensor.

SENSOR RANGE TESTING:

1. Ensure the shaft of LUX is set at “7” position.
2. Walk within the desired range* at normal speed. Light should be switched ON as delay time set whenever sensor detects the presence or movement of occupant.
3. The LED indicator behind the lens assembly will blink to indicate sensor detection as well.

ORDERING:

ORDER CODE	MODEL NUMBER	DESCRIPTION
1408299	MSITXLOS509SFCCNTRL	SENSOR MOTION 120-277V OCC LUX ON/OFF IP20-, LENS C INTEGRATED

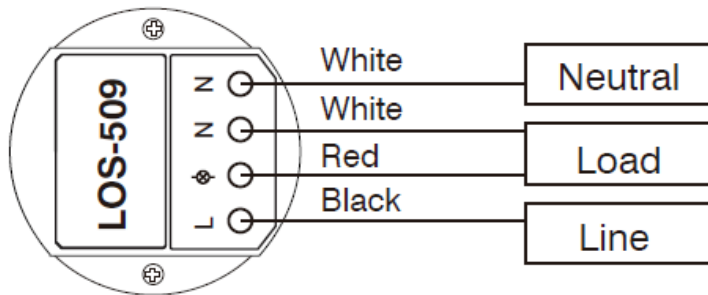
*ALL ORDERED FIXTURES WILL COME WITH APPLICABLE PRODUCT LENS/ HOUSING INCLUDED. CONTACT MAXLITE IF VARIATION IS NEEDED.

SPECIFICATION:

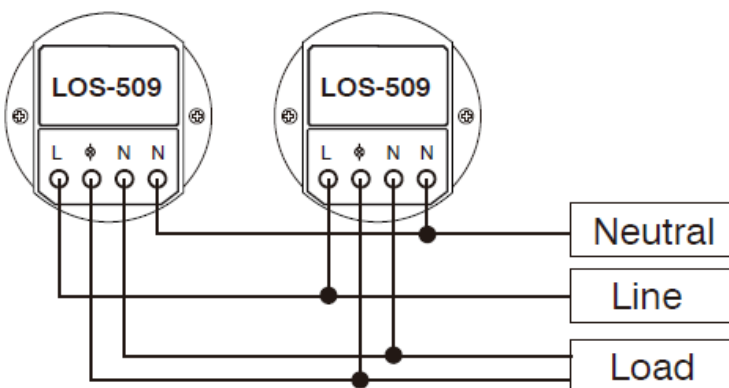
SPECIFICATIONS	MSITXLOS509SFCCNTRL
POWER SUPPLY	120/277VAC, 50/60Hz
MAX LOAD @ -40°F~131°F	800/1200W(VA)@ 120/277V
MAX LOAD @ 131°F~158°F	500/750W(VA)@120/277V
INFRARED SENSOR	Omni-directional quad element pyroelectric
LOAD SWITCHING	ZERO-CROSS HYBRID SWITCHING
HIC PROTECTION	MAX. 80A FOR 16.7 msec.
DETECTABLE SPEED	1-10FT/SEC
MOUNTING HEIGHT	SUBJECT TO TO LENSE TYPE APPLIED
DETECTION RANGE	SUBJECT TO TO LENSE TYPE APPLIED AND HEIGHT
AMBIENT LIGHT LEVEL	7 LEVELS ACCU-SET DIGITAL POTENTIOMETER
DELAY TIME SETTING	10"/1'/3'/5'/10'/20'/30' selectable
OP HUMIDITY	MAX 95% RH
OP TEMPERATURE	-40°F~158°F
DIMENSIONS	2.36"x H1.45"

WIRING DIAGRAM:

A. Single sensor control



B. Multiple sensors control



SENSOR SETTINGS:

Delay Time

The LOS-509 series offers 7 different delay time selection via Accu-Set potentiometers. The light will remain ON if sensor detects occupant's movement before the set delay time expires.

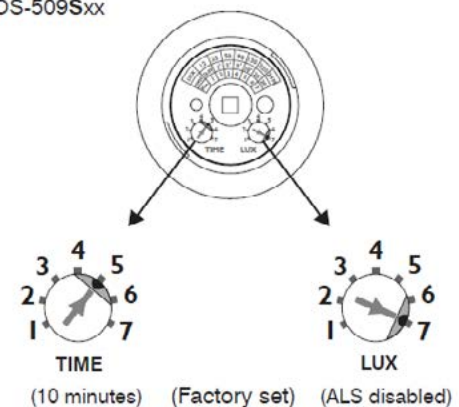
Ambient Light

The LOS-509Sxx offers 7 different ambient light level selection via Accu-Set potentiometers. The sensor will not switch ON the light if the LUX value of ambient light is higher than set level.


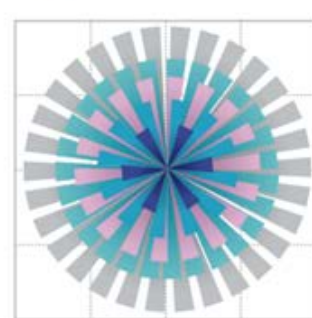
SW. POS.	1	2	3	4	5	6	7
TIME	T	1'	3'	5'	10'	20'	30'
LUX*	12	25	50	90	130	220	24H

Factory Set

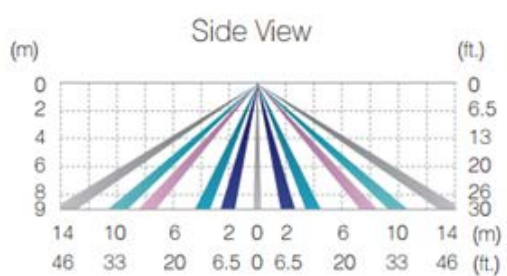
LOS-509Sxx



DETECTION PATTERN:

LENS C	3X High bay						
	<p>Top View</p> 	Mounting Height	ft. (m)	15 (4.5)	20 (6.0)	26 (8.0)	30 (9.0)
		Max. Coverage Diameter	ft. (m)	45 (13.5)	60 (18.0)	78 (24.0)	90 (27.0)

Side View



		(m)				(ft.)											
0	2	4	6	8	9	0	6.5	13	20	26	30						
14	10	6	2	0	2	6	10	14	46	33	20	6.5	0	6.5	20	33	46
		(m)				(ft.)											