

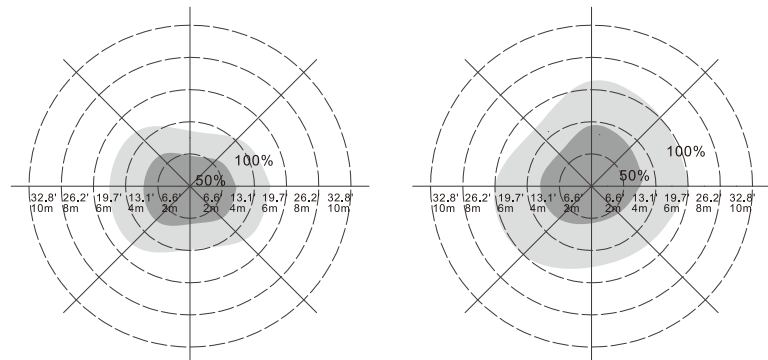
SEN-S1A-KO : PIR OCCUPANCY/DAYLIGHT SENSOR

DESCRIPTION

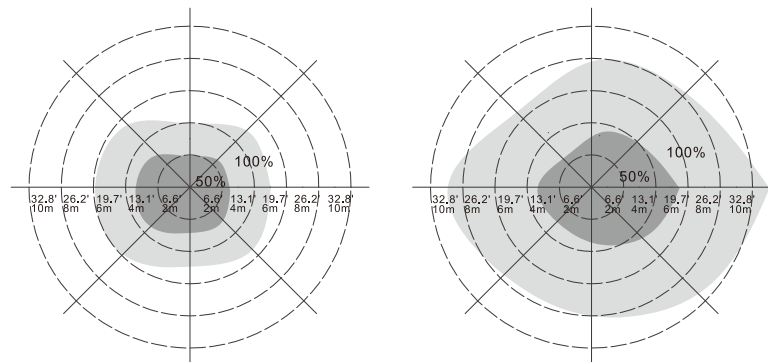
- Microwave occupancy sensor
- 120-277VAC multiple line voltage operation
- UL Listed for wet locations
- IP65 Rated
- Optional remote (SEN-S1-RC) commissioning device for sensor control
- Direct lead wires for easy wiring connection

DETECTION PATTERN (CEILING MOUNT)

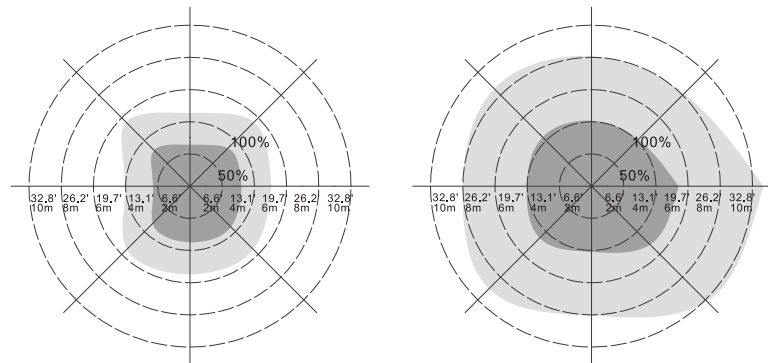
Mounting height: 9.8ft / 3m



Mounting height: 19.7ft / 6m



Mounting height: 29.5ft / 9m



SPECIFICATIONS

Input voltage	120/277VAC, 50/60Hz
Rated load	120VAC 50/60Hz 4A electronic/magnetic ballast 277VAC 50/60Hz 3A electronic/magnetic ballast
Detection area	26.2 ft (8m) Max. (radius) adjustable
Hold time	5s/30s/1min/3min/5min/10min/20min/30min
Daylight sensor	5lux/15lux/30lux/50lux/100lux/150lux/Disable
Stand-by period	0s/10s/1min/3min/5min/10min/30min/+∞
Stand-by dimming level	10%/20%/30%/50%
Sensor principle	Microwave motion detector
Microwave frequency	5.8GHz±75MHz, ISM wave band
Mounting height	9.8-49.2 ft (3-15m)
Detection angle	150° (wall installation); 360° (ceiling installation)
Motion detection	1.6~9.8 ft/s (0.5~3m/s)
Operating temperature	-31°F ~ 131°F (-35°C ~ 55°C)
IP rating	IP65



SEN-S1-RC

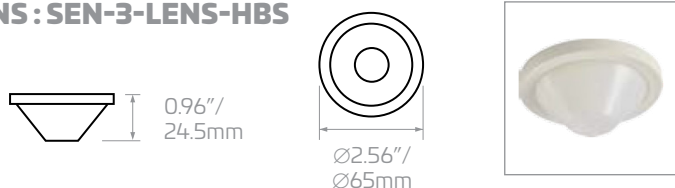
Optional Remote Control

SEN-3A-KO : PIR OCCUPANCY/DAYLIGHT SENSOR

DESCRIPTION

- Omni-directional quad element infrared sensor
- 120/277VAC multiple line voltage operation
- UL Listed for wet locations
- Hybrid switching for controlling loads with high inrush current (HIC)
- Digital potentiometer for quick and easy setting
- Walk test and sensor operation LED indicator
- Direct lead wires for easy wiring connection

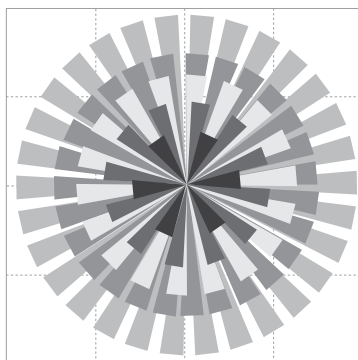
LENS : SEN-3-LENS-HBS



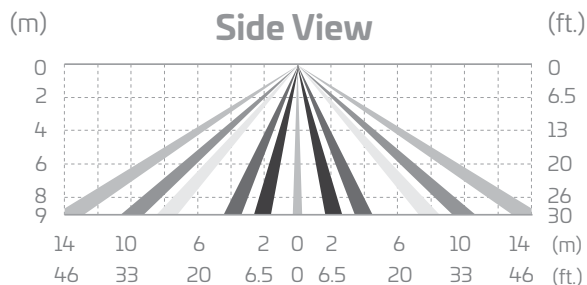
Mounting Height	ft.	15	20	26	30
	m	4.5	6.0	8.0	9.0
Max. Coverage Diameter	ft.	45	60	78	90
	m	13.5	18.0	24.0	27.0

DETECTION PATTERN

Top View



Side View



SENSOR SETTINGS

Delay Time

The SEN-3A-KO series offers 7 different delay time selection via digital potentiometers. The light will remain ON if sensor detects occupant's movement before the set delay time expires. Ambient Light

The SEN-3A-KO offers 7 different ambient light level selection via potentiometers. The sensor will not switch ON the light if the LUX value of ambient light is higher than set level.

Settings	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

SPECIFICATIONS

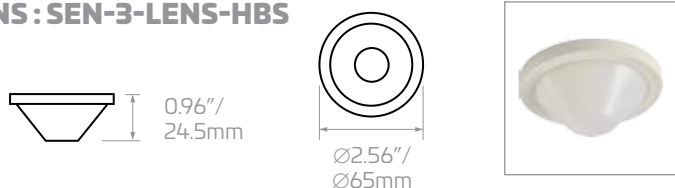
Power supply	120/277VAC, 50/60Hz
Maximum load (@ -40°F~-131°F (-40°C~55°C)	Incan./Halogen - 800/1200W(VA)@120/277V
	Fluor. Ballast/CFL - 800/1200W(VA)@120/277V
	Ballast Electronic (LED) - 540/1200VA@120-277V
Maximum load (@ 131°F~158°F (55°C~70°C)	Incan./Halogen - 500/750W(VA)@120/277V
	Fluor. Ballast/CFL - 500/750W(VA)@120/277V
	Ballast Electronic (LED) - 500/750VA@120-277V
Infrared sensor	Omni-directional quad element pyroelectric
Photo sensor	Digital ambient sensor
HIC protection	Max. 80A for 16.7msec
Dim control output	0-10V, max 25mA sinking current
Detectable speed	1~10 ft/sec (0.3~3m/sec)
Mounting height	Subject to the lens type applied
Detection range	Subject to the lens type and mounting height
Remote range	33 ft. (10m) indoor, no backlight
Op. humidity	Max. 95% RH
Op. temperature	-40°F~-158°F (-40°C~70°C)
Dimensions	ø2.36"xH1.45" (ø60xH37mm)

SEN-3AA-KO : LINE VOLTAGE OCCUPANCY SENSOR

DESCRIPTION

- Omni-directional quad element infrared sensor
- 120/277VAC universal line voltage powered
- Frequency detection zero-cross relay switching
- Programmable potentiometer for quick and easy setting
- Test and sensor operation LED indicator
- Direct lead wires for easy wiring connection

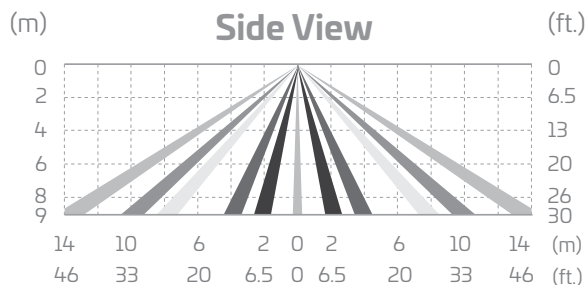
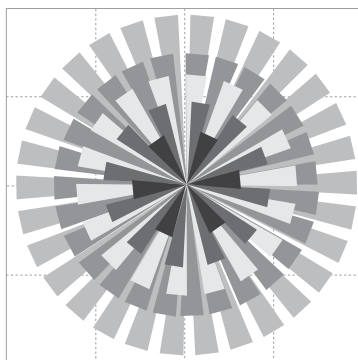
LENS : SEN-3-LENS-HBS



Mounting Height	ft.	15	20	26	30
	m	4.5	6.0	8.0	9.0
Max. Coverage Diameter	ft.	45	60	78	90
	m	13.5	18.0	24.0	27.0

DETECTION PATTERN

Top View



SENSOR SETTINGS

Delay Time

The SEN-3AA-KO series offers 7 different delay time selection via digital potentiometers. The light will remain ON if sensor detects occupant's movement before the set delay time expires. Ambient Light

The SEN-3AA-KO offers 7 different ambient light level selection via potentiometers. The sensor will not switch ON the light if the LUX value of ambient light is higher than set level.

Settings	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

SPECIFICATIONS

Power supply	120/277VAC, 50/60Hz
Maximum load (@ -40°F~131°F (-40°C~55°C)	Fluor. Ballast/CFL - 800/1200W(VA)@120/277V Ballast Electronic (LED) - 540/1200VA@120-277V
Maximum load (@ 131°F~158°F (55°C~70°C)	Fluor. Ballast/CFL - 500/750W(VA)@120/277V Ballast Electronic (LED) - 500/750VA@120-277V
Infrared sensor	Omni-directional quad element
Detectable speed	1~10 ft/sec (0.3~3m/sec)
Mounting height	Subject to the lens type applied
Detection range	Subject to the lens type and mounting height
Ambient light level	7 level digital potentiometer
Delay time setting	T/1'/3'/5'/10'/20'/30', T=10 sec. for testing
Op. humidity	Max. 95% RH
Op. temperature	-40°F~158°F (-40°C~70°C)
Dimensions	ø2.36"xH1.45" (ø60xH37mm)

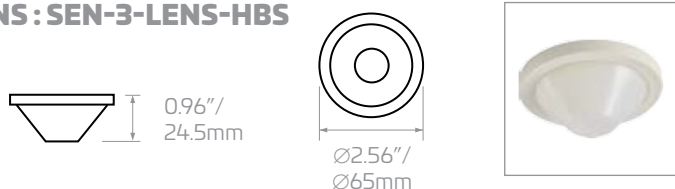


SEN-3B-KO : PIR OCCUPANCY/DAYLIGHT SENSOR

DESCRIPTION

- Omni-directional quad element infrared sensor
- 120/277VAC multiple line voltage operation
- IP66 Rated for wet locations
- Hybrid switching for controlling loads with high inrush current (HIC)
- Built-in digital data control ambient light sensor
- 2-way IR remote programmable sensor setting (separate remote required)
- Multi-level high/low dim control

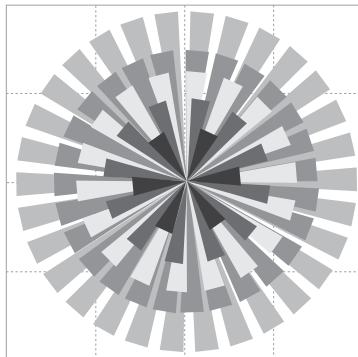
LENS : SEN-3-LENS-HBS



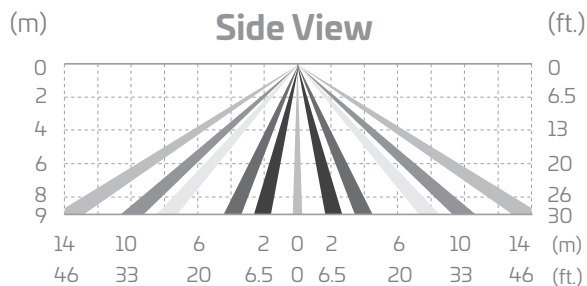
Mounting Height	ft.	15	20	26	30
	m	4.5	6.0	8.0	9.0
Max. Coverage Diameter	ft.	45	60	78	90
	m	13.5	18.0	24.0	27.0

DETECTION PATTERN

Top View



Side View



SPECIFICATIONS

Power supply	120/277VAC, 50/60Hz
Maximum load (@ -40°F~131°F (-40°C~55°C)	Incan./Halogen - 800/1200W(VA)@120/277V Fluor. Ballast/CFL - 800/1200W(VA)@120/277V Ballast Electronic (LED) - 540/1200VA@120-277V
Maximum load (@ 131°F~158°F (55°C~70°C)	Incan./Halogen - 500/750W(VA)@120/277V Fluor. Ballast/CFL - 500/750W(VA)@120/277V Ballast Electronic (LED) - 500/750VA@120-277V
Infrared sensor	Omni-directional quad element pyroelectric
Photo sensor	Digital ambient sensor
HIC protection	Max. 80A for 16.7msec
Dim control output	0-10V, max 25mA sinking current
Detectable speed	1~10 ft/sec (0.3~3m/sec)
Mounting height	Subject to the lens type applied
Detection range	Subject to the lens type and mounting height
Remote range	33 ft. (10m) indoor, no backlight
Op. humidity	Max. 95% RH
Op. temperature	-40°F~158°F (-40°C~70°C)
Dimensions	ø2.36"xH1.45" (ø60xH37mm)



SEN-3-RC

Remote Control required
(sold separately)

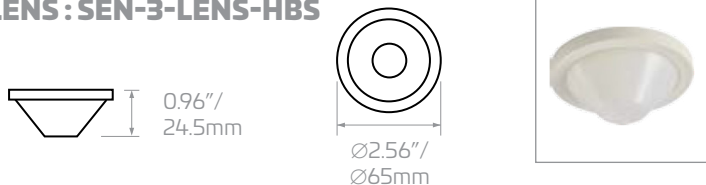


SEN-3C-KO : PIR OCCUPANCY/DAYLIGHT SENSOR

DESCRIPTION

- Omni-directional quad element infrared sensor
- 347/480VAC multiple line voltage operation
- UL Listed for wet locations
- Hybrid switching for controlling loads with high inrush current (HIC)
- Digital potentiometer for quick and easy setting
- Walk test and sensor operation LED indicator
- Direct lead wires for easy wiring connection
- 2-way IR remote programmable sensor setting (separate remote required)

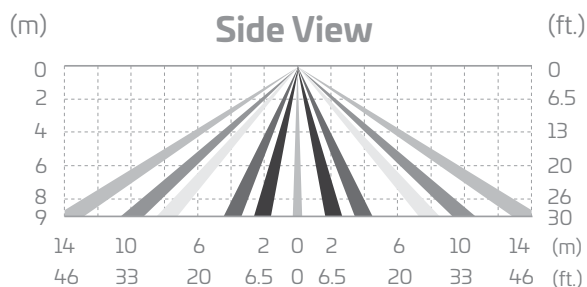
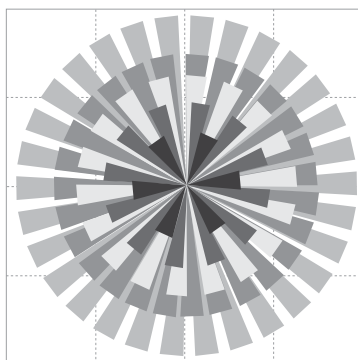
LENS : SEN-3-LENS-HBS



Mounting Height	ft.	15	20	26	30
	m	4.5	6.0	8.0	9.0
Max. Coverage Diameter	ft.	45	60	78	90
	m	13.5	18.0	24.0	27.0

DETECTION PATTERN

Top View



SENSOR SETTINGS

Delay Time

The SEN-3A-KO series offers 7 different delay time selection via digital potentiometers. The light will remain ON if sensor detects occupant's movement before the set delay time expires.

Ambient Light

The SEN-3A-KO offers 7 different ambient light level selection via potentiometers. The sensor will not switch ON the light if the LUX value of ambient light is higher than set level.

Settings	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

SPECIFICATIONS

Power supply	347/480VAC, 60Hz	
Maximum load	347 VAC	480 VAC
Fluor. ballast	1500 W(VA)	2160 W(VA)
Ballast electronic	1500 VA	2160 VA
Infrared sensor	Omni-directional quad element pyroelectric	
Photo sensor	Digital ambient light sensor	
Load switching	Zero-cross control relay	
Dim control output	0-10V, max 25mA sinking current	
Detectable speed	0.5~10 ft/sec (0.15~3m/sec)	
Mounting height	Subject to the lens type applied	
Detection range	Subject to the lens type and mounting height	
Remote range	33 ft. (10m) indoor	
Op. humidity	Max. 95% RH	
Op. temperature	-40°F~131°F (-40°C~55°C)	
Dimensions	H4.37" x W3.54" x D1.8"	

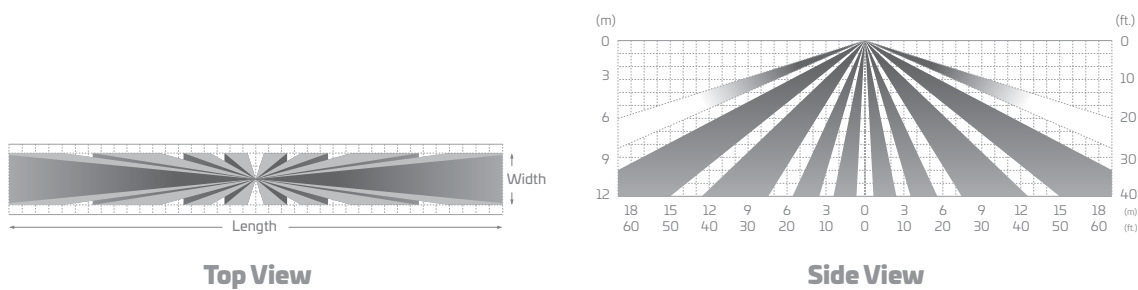


SEN-3-RC

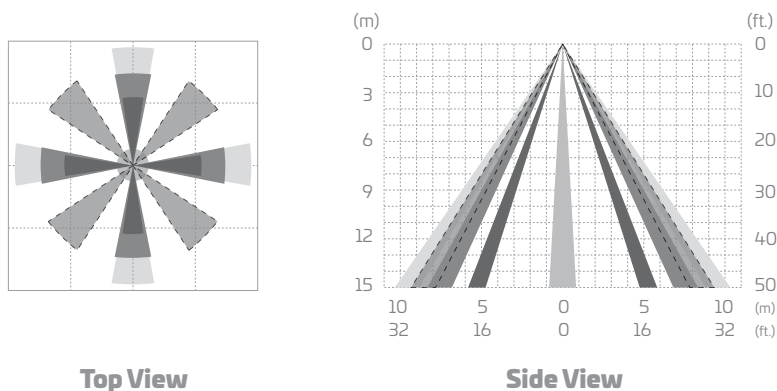
Remote Control required
(sold separately)

Rev. 10/5/18

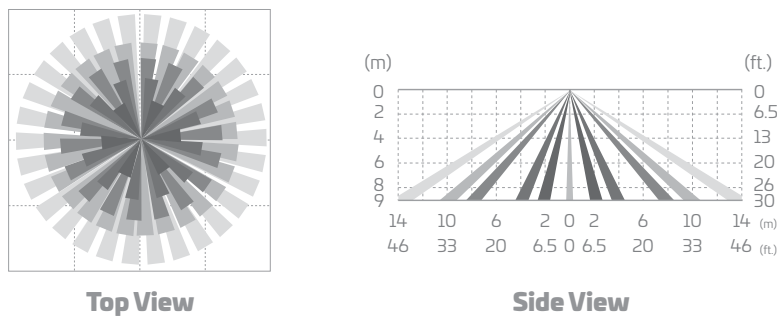
SEN-3-LENS-AISLE



SEN-3-LENS-HBH



SEN-3-LENS-HBS



SEN-EMA : Sensor Extension Mounting Adapter

SEN-3-RC : Sensor Remote Programmer for SEN-3B/3C

