



LIGHTING CONTROLS

KELE OCCUPANCY SENSOR

LX-24

DESCRIPTION

The Kele Model LX-24 is a ceiling-mount passive infrared (PIR) occupancy sensor specifically designed to interface with building automation systems through an internal isolated relay. Once motion has stopped, a user-adjustable OFF time delay (30 seconds to 30 minutes) may be programmed through DIP switches to reset the relay. The Model LX-24 includes two levels of sensitivity field selectable through DIP switches.

FEATURES

- *Passive infrared technology*
- *Adjustable time delay*
- *Adjustable sensitivity*
- *Isolated SPDT relay*
- *360-degree coverage up to 1200 ft²*
- *Red LED to indicate occupancy detection*
- *Five-year warranty*

SPECIFICATIONS

Supply Voltage	24 VAC/DC, ±10%, 37mA
Output	SPDT, 24V (AC/DC) @ 1A
Technology	Passive Infra-Red (PIR) w/ Fresnel lens
Occupied Mode (Occ)	Occupied-Auto ON w/Time Delay OFF
Approximate Coverage	Pattern 360 degrees, 1200 ² ft. 8' ceiling/44' dia circle
Sensitivity	Selectable High or Low
Override	Dip switch 4 (ON = Relay Energized)
OFF Delay Time (TD)	Selectable, 30s, 10m, 20m or 30m
Indication	Red LED (ON w/ motion)
Mounting	Ceiling 2.75" to 3" hole
Color	White
Operating Temperature	32° to 98°F (0° to 36°C)
Operating Humidity	10-95% RH non-condensing
Wiring	5 Pig tails
Enclosure Rating	Indoor, No rating
Dimensions	3.3" dia x 2.2" deep (8.5 x 5.6 cm), Extends 0.4" from ceiling
Weight	1.0 lb (0.46 Kg)
Approvals	None
Warranty	5 years



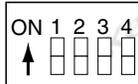
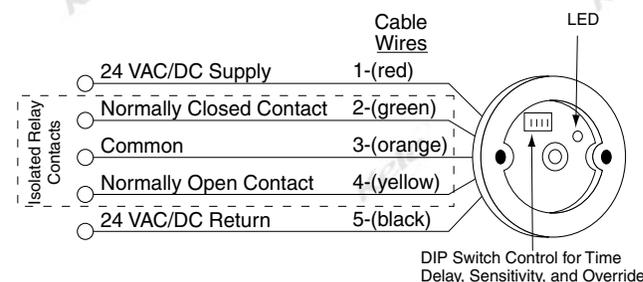
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OPERATION

The Model LX-24 is powered by 24 VAC/DC, and uses PIR technology to detect occupancy. When the unit senses the difference between infrared emissions from a human body and the background space, detection occurs. The Model LX-24 transfers an SPDT contact set, when occupancy is detected. The contacts return to their normal state after a user-selectable time delay once the space is unoccupied.

WIRING



DIP SWITCH #	1	2	3	4
TIME DELAYS				
30 sec	X	X		
10 min.	X	O		
20 min.	O	X		
▶ 30 min.	O	O		
SENSITIVITY				
▶ Minimum			O	
Maximum			X	
OVERRIDE				
▶ Normal				O
Override				X

▶ = factory setting

X=on

O=off

ORDERING INFORMATION

MODEL	DESCRIPTION
LX-24	24 VAC/DC ceiling-mount occupancy sensor with SPDT isolated contact