

KNX Sensor PIR (Ceiling)

Model No: L30K-RX1

Profile

•KNX multifunctional sensor is equipped with human infrared sensor chip and high-precision ambient illumination sensor.

•Advanced algorithms convert the inductive signals into corresponding KNX commands to control KNX equipment on the BUS.

The sensors can be configured as KNX human motion detection function or KNX Illuminance sensor function.

A: KNX human motion detection function: sensing human, issuing single address, group scene, broadcast command;
For example: You can select a scene from 0 to 15 as the trigger condition for action 1 and 2. If you select (Scene 5, Action 1), the sensor will trigger action 1 only when scene 5 appears . Later on, the sensor will execute action 2 accordingly.
Similar with PIR function: the human motion detection function is activated when the ambient illumination is insufficient.

B: Illuminance sensor function: turn on the lamp when the illuminance is insufficient, and turn off the lamp automatically when the ambient brightness is high.

Constant illumination function, control the light equipment in KNX BUS to make the ambient illumination remains constant.

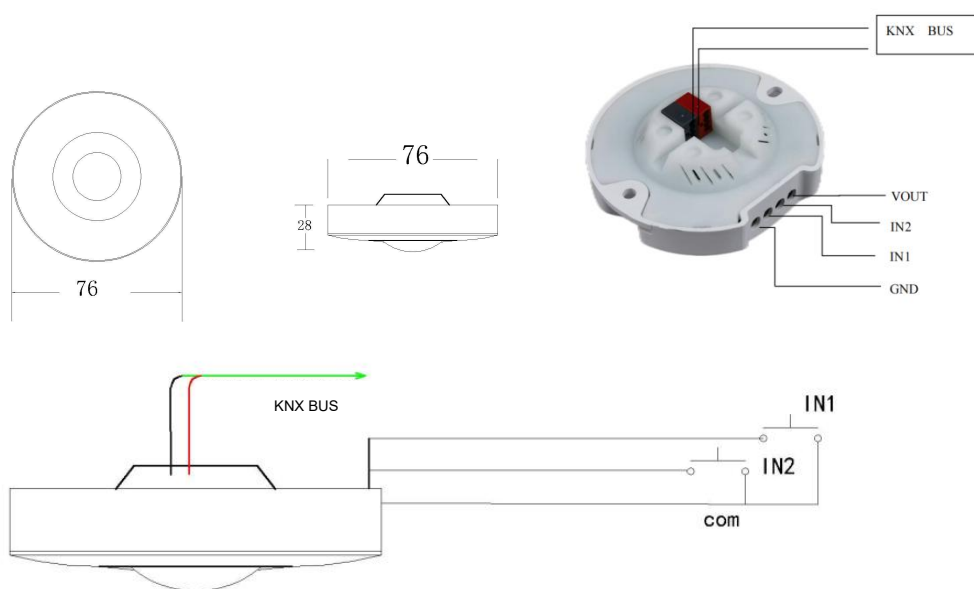
Features

- KNX human motion detection function and illumination sensor function
- KNX human motion detection function can be disabled by KNX scene commands.
- Human motion detection function can be turned on and off through illuminance threshold control.
- When sensing , can issue brightness, scene and other commands to single address or group.
- Constant illumination function, continuous send commands to step control the dimming of the lamps on the KNX BUS.
- Illuminance control function, lower than a certain illuminance lights on or higher than a certain illuminance lights off.

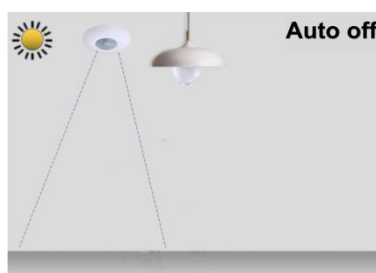
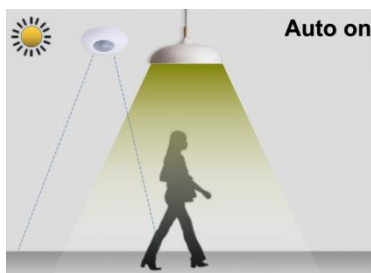
Technical Parameters

Model No	L30K-RX1
Brand	LAMMIN
Input Signal	KNX signal
Input voltage	30V(KNX BUS powered)
Consumes KNX bus current	<20 MA
Detection method	Passive infrared detection, illumination detection
Hold time	0S--85Min (via software setting)
Light sensor settings (Daylight)	3-1000 lux (via software setting)
Detection range (radius)	2-4m
Mounting height	2.5-3m
Detection angle	120°
Certification	CE
Working temperature	-20℃~+50℃
Storage temperature/humidity	-40 ℃ ~+80℃
Levels of protection	IP20
Warranty	3 years
Size(L*W*H)MM	Φ 76*28 m
Installation	Independent ceiling installation
Photo	

Wiring Diagram and Installations

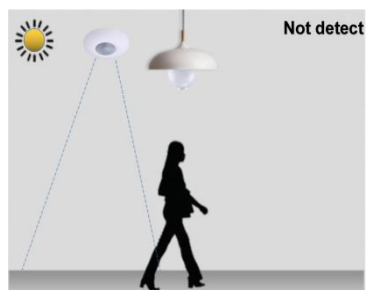


Function Instruction



●Human motion detection mode

When sensing human motion, the lamp will be lit; Otherwise the delayed time setting will issue the command to turn off the lamp. The panel can issue a command to disable the sensor.



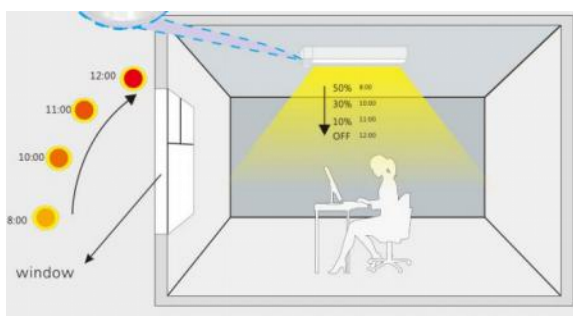
●Human body detection + light induction control mode

When the external light illuminance is greater than the set threshold illuminance, human motion detection is invalid, when the external light illuminance is less than the set threshold illuminance, it is effective.



●Ambient brightness control mode

When the external illumination is less than the set threshold for 10s, the lamps will slowly light up. When the external illumination is greater than the set threshold for 10s, the lamps of the lamps will slowly be turned off



●Constant illumination control mode

Set the illuminance value. If it is higher or lower than the set illuminance value, It will be issued gradually dimming commands to achieve a constant illuminance value.

(Note: This function requires the infrared to be installed at the controlled light source)