

DALI or KNX Multifunctional Sensor(Ceiling type)

Model No: L30-RX-1

Profile

- DALI or multifunctional sensor is equipped with human infrared sensor chip and high-precision ambient illumination sensor.
- Advanced algorithms convert the inductive signals into corresponding DALI or KNX commands to control the DALI equipment on the BUS.

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

A: DALI or 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 DALI or KNX BUS to make the ambient illumination remains constant.

Note: To fulfill either of the above functions, LAMMIN DALI or KNX Master software is required.



L30-RQ-1



L30-RQ-2



L30-RX-1

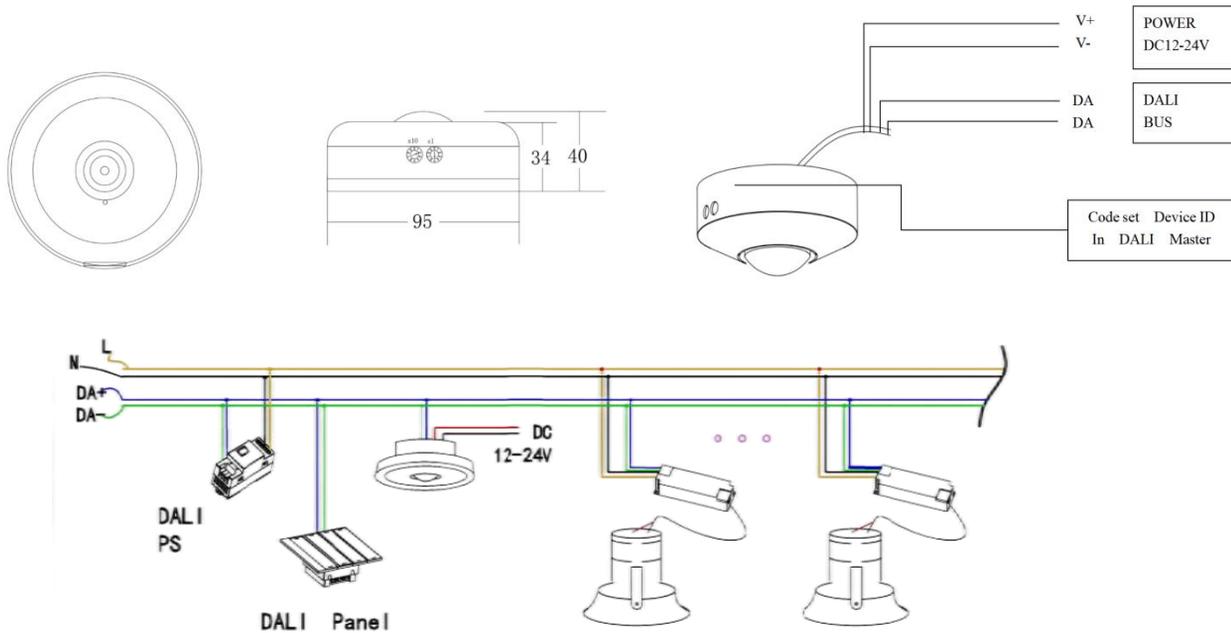
Features

- DALI or KNX human motion detection function or illumination sensor function(alternative)
- DALI or KNX human motion detection function can be disabled by DALI or 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 DALI or KNX BUS.
- Illuminance control function, lower than a certain illuminance lights on or higher than a certain illuminance lights off.
- Dip codes are used to set the ID of the local device. The DALI or KNX Master software configures the functions of the product.
- Each BUS can access up to 32 detectors.

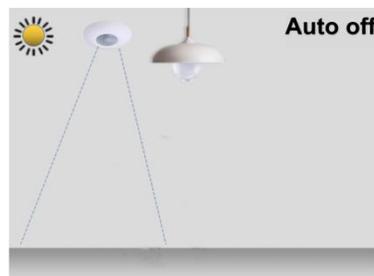
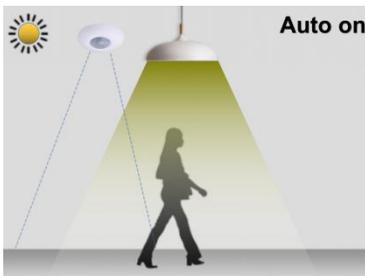
Technical Parameters

Model No	L30-RQ-1	L30-RQ-2	L30-RX-1
Brand	LAMMIN		
Input Signal	DALI or KNX signal		
Input Voltage Range	12-24V DC	12-30V DC	12-24V DC
Frequency Range	50/60Hz		
Max Load Current	20mA Max (@12v DC)		
Hold Time	0S--85Min		
Sensor Setting	3-1000Lux/Or setting by DALI or KNX Master		
Detection range (radius)	3-4m	7m	3-4m
Detection Angle	120°		
Certification	CE		
Working Temp	-20°C~+50°C		
Warranty	3 years		
Size(L*W*H)MM	Φ100*42	Φ120*63	Φ95*40
Installation	Flush mounted	Ceiling mounted	Ceiling mounted

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.



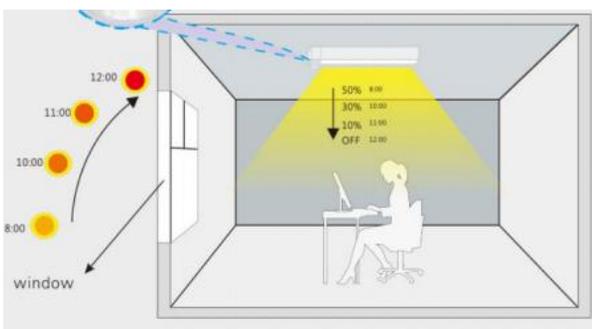
- Human body detection + light induction control mode

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)