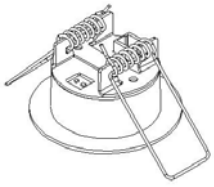
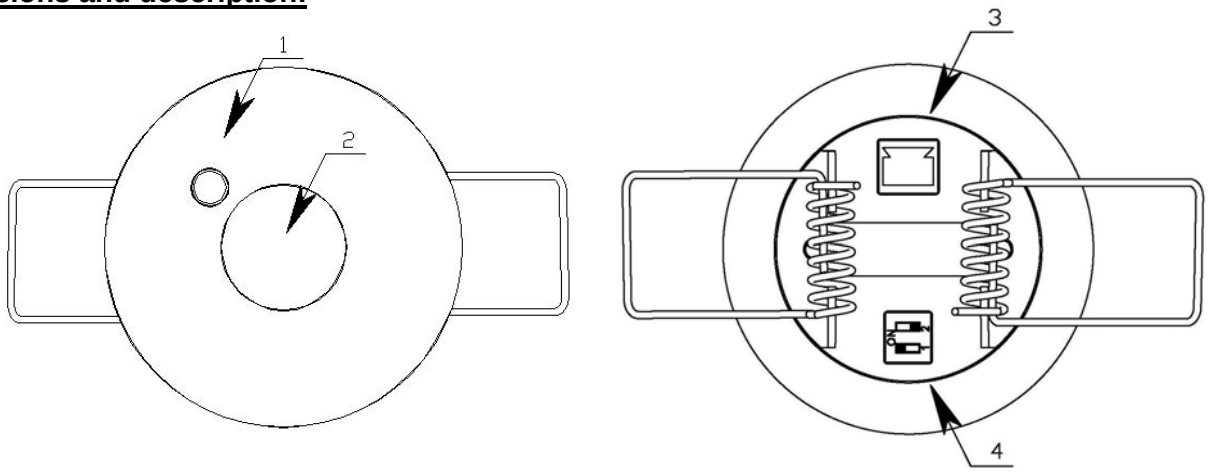


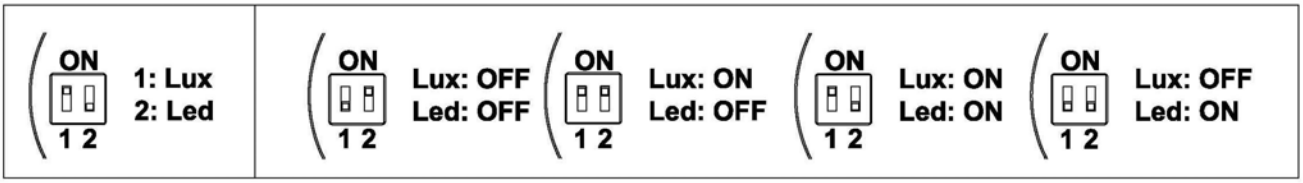
Main Characteristics:

- Reduced size: External diameter equal to 48 mm.
- Easy installation in false ceiling, due to two pressure clips.
- Light guide with double function that allows both visualizing the LED flashes (red) when presence is detected and the light entrance for the luminosity sensor.
- Double micro-switch in its back that allows disconnecting both the LED for indicating activity and the link between the luminosity sensor and the light control channel.
- Direct connection to QUAD input (ZN1IO-41AD).
- External power supply not required.
- CE compliant.

Dimensions and description:

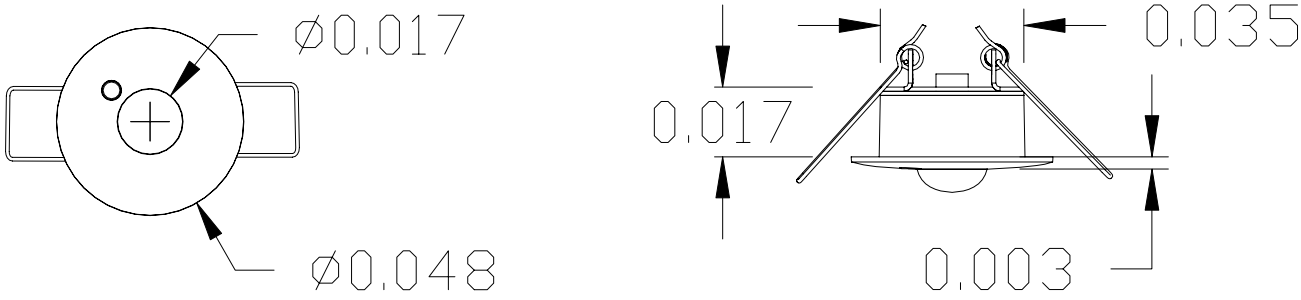


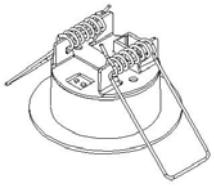
- **1.** LED indicating operation (red) – luminosity sensor.
- **2.** Superficial enclosure for motion sensor.
- **3.** Connection terminal.
- **4.** Double micro-switch: On/Off LED indicating operation (Led) – On/Off luminosity sensor (Lux)



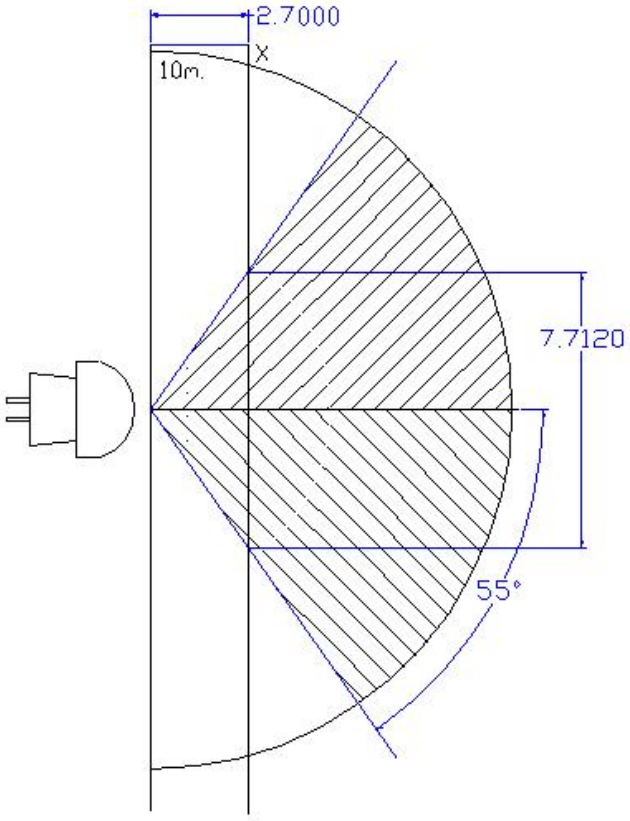
- Dimensions:

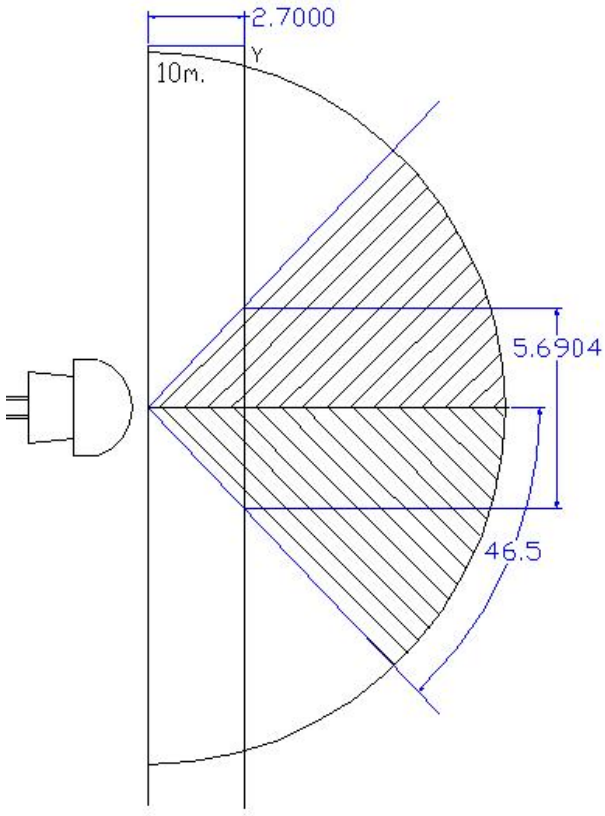
.





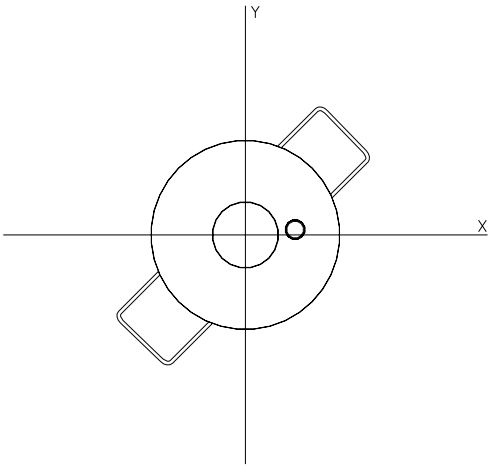
Detection Area:



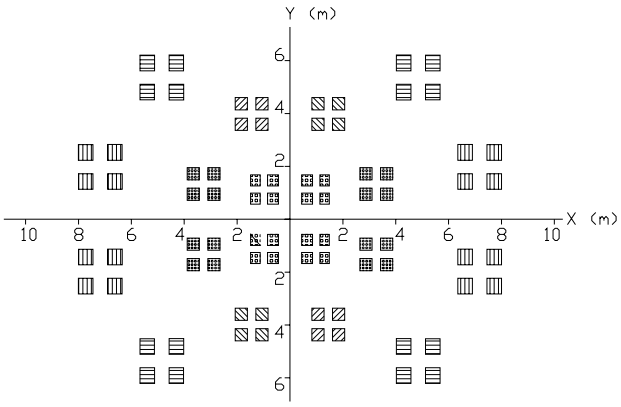


Detection Area		
Ceiling height (m)*	**Distance Axe X (m)**	**Distance Axe Y (m)**
2.7	7.71	5.69
5	14.28	10.54

***Example based on the detection area projection graphics. The upper graphics correspond to a ceiling height equal to 2.7m.**

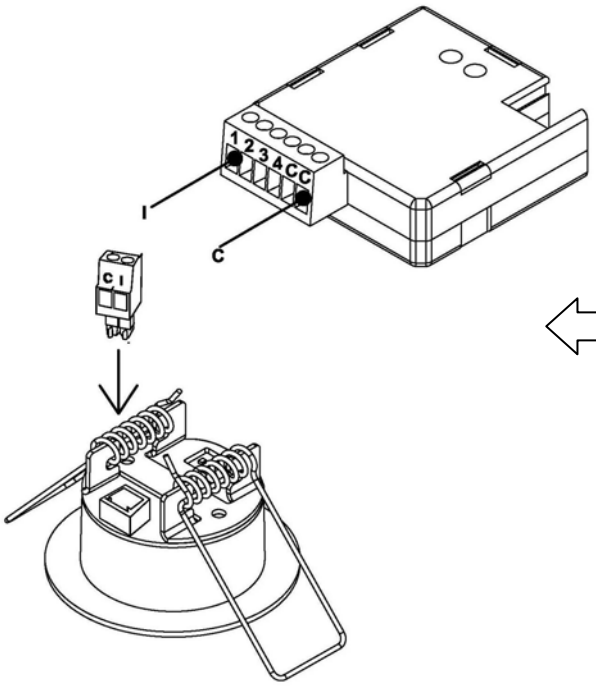


Reference for positioning the axes



X-Y Cross Sectional Detection Area Diagram

Connections Scheme:



Option 1: 1 Motion Sensor

The desired QUAD input is connected to the sensor terminal marked with the letter **I**.

In closing, connect the QUAD common (any terminal marked with the letter "C") to the sensor terminal marked with the letter **C**.

Option 2: 2 Motion Sensors connected in parallel (connected to the same input).

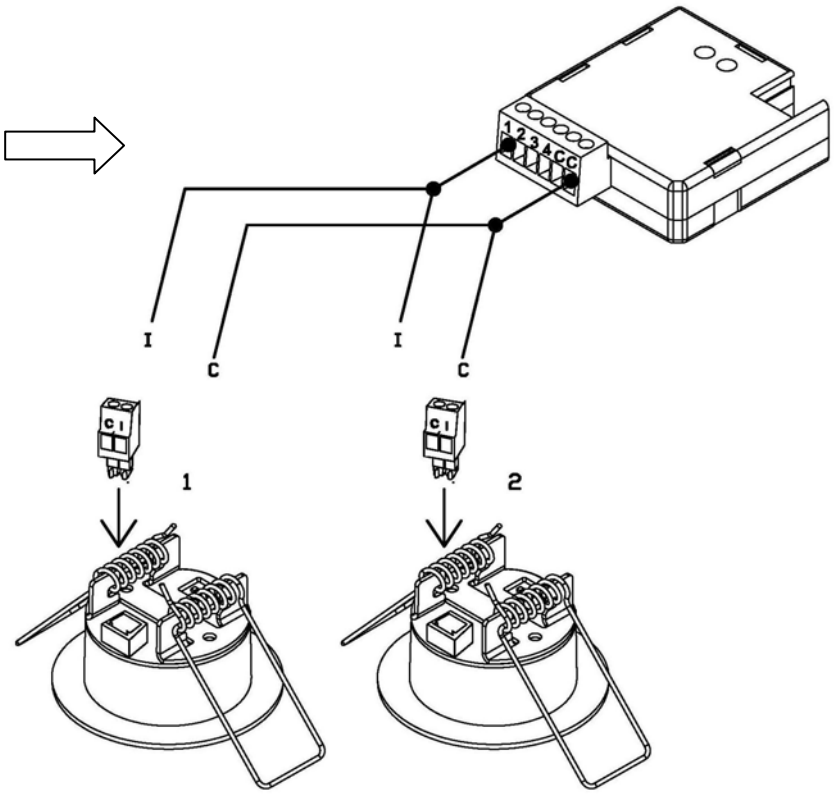
The desired QUAD input is connected to sensor terminal number 1 which is marked with the letter **I**.

Next step consists in connecting the QUAD common (any terminal marked with letter "C") to the sensor terminal number 1 marked with the letter **C**.

Do the same operation again with sensor 2, using the same QUAD input. In order to make easy this operation, the QUAD has two terminals corresponding to the common, both marked with letter "C".

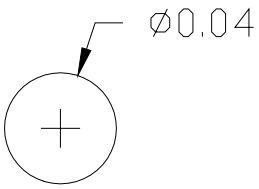
Maximum 2 sensors in parallel.

At least one luminosity sensor in OFF position

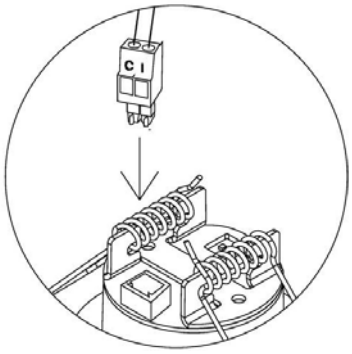


Maximum 2 sensors in parallel per input
At least one luminosity sensor in OFF position

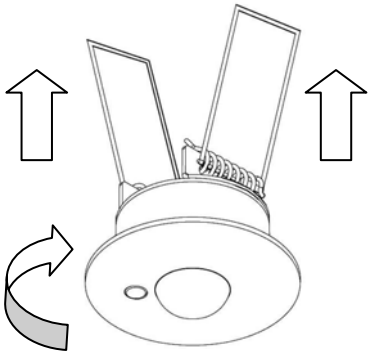
Installation Scheme:



1. Make a circular hole with a diameter equal to 40 mm.



2. Connect to QUAD following the connections scheme. Choose the position for the micro-switches



3. Raise the pressure clips. Introduce the sensor until the enclosure touches the ceiling. Take into account the axes X-Y position for optimizing the detection

Specifications:

Concept	Description
Device Type	Electric Operation Control Device
Consumption (detecting status)	1 mA
Consumption (stand-by)	37 uA
External Power Supply	Not required
Ambient Temperature	0ºC a +55ºC
Storage Temperature	-20ºC a +70ºC
Ambient Humidity	30 a 85% RH (no condensation)
Storage Humidity (relative)	30 a 85% RH (no condensation)
Assembly	False ceiling recommended
Performance indicator	When detecting presence, the LED flashes. Cancelable function with the corresponding micro switch
PCB CTI index	175 V
Enclosure	PC-ABS, flammability category Class D
Weight	25 g.
Connection Type	Screw Terminals Clamp
Max cable Length	30 meters (QUAD specification)
Cable Section	0,15 mm² to1 mm² (QUAD specification)
Max Number of Sensors in parallel	2 (one luminosity sensor, at least, must be cancelled)
Detection Angle Axe X	55º
Detection Angle Axe Y	46.5º
Luminosity Range	TBD

SAFETY INSTRUCTIONS

- Do not connect to the main voltage (230 V) or any other external voltages. Connect only to QUAD inputs (ref. ZN1IO-41AD). Connecting an external voltage might put all the EIB/KNX system into risk.
- Installation should only be performed by qualified electricians following applicable regulations on preventing accidents, as required by law.
- Keep away from water. If product comes into contact with water or other liquid, unplug immediately.