ITR410-001 - MID-RANGE CEILING MOUNT PIR SENSOR

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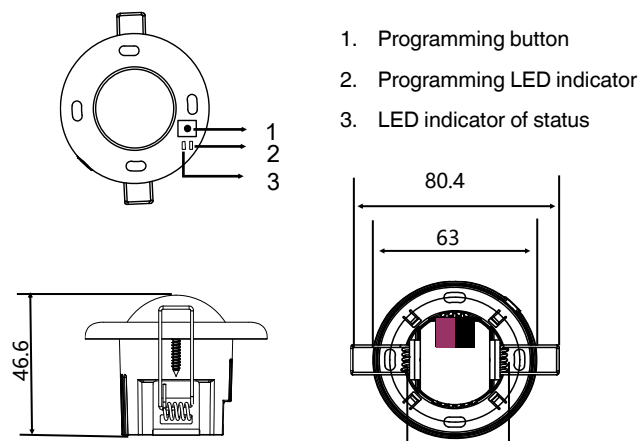|	
Device	ITR410-001
Power Supply	EIB Power supply
Power Consumption	5 mA
PIR Sensing range in diameter	8m (install height-2.5m)
Type of Protection	IP 20
Temperature Range	Operation (-5°C...45°C)
	Storage (-20°C...60°C)
Maximum Air Humidity	< 90 RH
Flammability	Non-flammable product
Color	Light grey and white
Dimensions	63×46.6 (ΦxH)
Certification	KNX Certified
Configuration	Configuration with ETS

DESCRIPTION

ITR410-001 a multi-functional movement sensor. It includes 4 independent logic blocks and 1 combined logic block. The logic relations "AND", "OR" can be set. The logic input conditions contain the conditions of movement sensor, **LUX** and external conditions. According to different application requirements, the sensor can be configured as the master-slave mode or single mode.
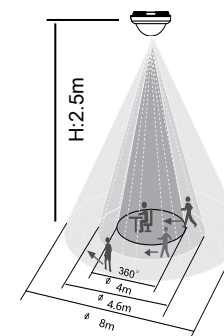
IMPORTANT NOTES

- Special Programming: ITR410-001 is designed for professional KNX installation. It only can be programmed by ETS software.
- Cable Connections: Ensure making correct connections for Black and Red wires.
- Voltage: The input voltage shall be 21-30VDC.
- Mounting Location: Installed indoors, to avoid installation near the air-conditioner vent, and be away from the heat source.
- The tightening torque shall not exceed 0.2Nm.
- Avoid contact with liquids and corrosive gases.

CONNECTION DIAGRAM

1. Programming button
2. Programming LED indicator
3. LED indicator of status

80.4

63

46.6

FUNCTIONS

- ITR410-001 supports movement detection, temperature detection, LUX detection and external telegram detection.
- Supports 2 channels of light control, it can control the switch and dimming output. When the dimming function is applied, 4 brightness values can be set, and after 4 times delay, the brightness of the setting can be reached.
- ITR410-001 have 5 logic function blocks and can be set the logical relation AND/OR. Each block can control ten output objects. The work mode includes single mode and Master & Slave mode.
- ITR410-001 can report movement status, temperature, Lux status to KNX system.
- The sensing range for detecting people sitting and walking are different sizes. The recommended installation height is 2 m – 3m. The PIR sensing rang of the detector increases as the installation height increases.
- The sensor supports object controls: Switch control, Absolute dimming control, Shutter control, Alarm control, Percentage control , Sequence control, Scene control, String control, Threshold control, Logic combination control.
- With the function of constant brightness: The sensor keeps the Lux at a constant value, and it will dim the lights to the corresponding intensity according to the surrounding brightness.

Mounting height	Seated activity & walking towards	Walking across with small steps	Walking across
2.5m	4m	4.6m	8m
3m	4m	4.6m	8m
4m	4m	7m	10m
5m	4m	8m	10m