QL-SPR02

INFRARED SENSOR

The QL SPR02 is a flush mounting Infrared motion sensor module. The module operates on mains power. The senor is activated by motion i.e. speed and size. The operating temperature of the sensor ranges from -10°C to 60°C. The time delay is adjustable. The sensor detects changes in infrared radiation which occurs when there is movement by a person (or object) which is at different temperature from the surroundings. A microprocessor then triggers the switch light ON command.

Specifications

Power Supply
220-240V AC, 50/60Hz

Power Requirement
Standby : 0.6W
Operational : 1.2W

Sensor Principle
Passive Infrared

Switched Power
2000W Max

Hold Time Setting
30s, 1 to 5 min in steps of 0.5min, 5 – 30 min in steps of 5 min

Detection Range

Max. (ΦxH) 8m x 5m

Detection Angle
Horizontal : 102°
Vertical : 92°

Mounting Height
Max. 5m

Environment
Ambient Temp : -10°C to 60°C
Relative Humidity : less than 80%

IP Rating
IP20

Safety Regulatory Compliance
CE

Dimensions
75mm (DIA) x 76.4mm (D)

Weight
250g

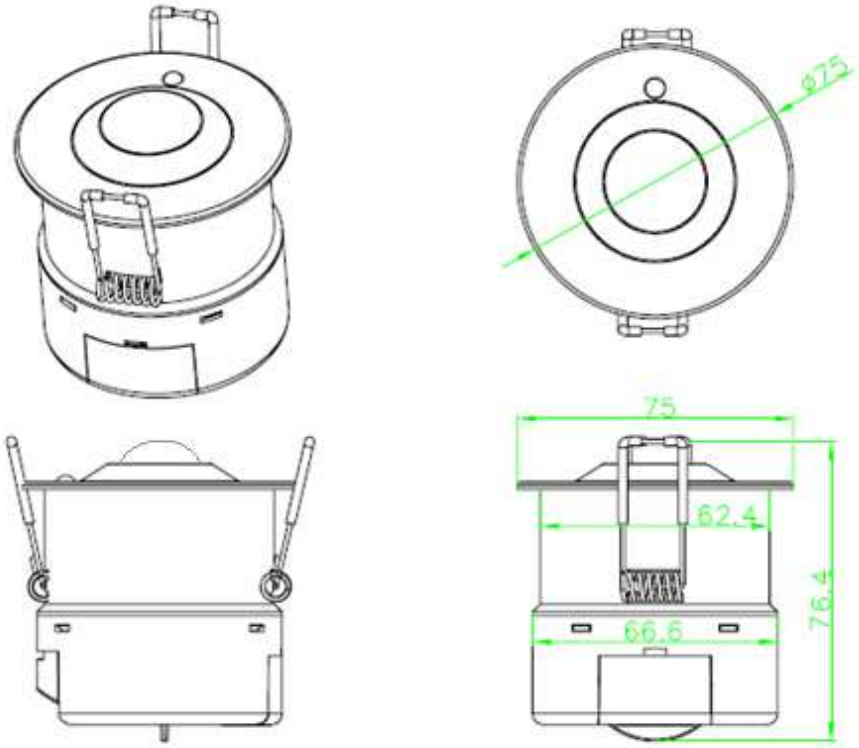

Fig 1. Module Details

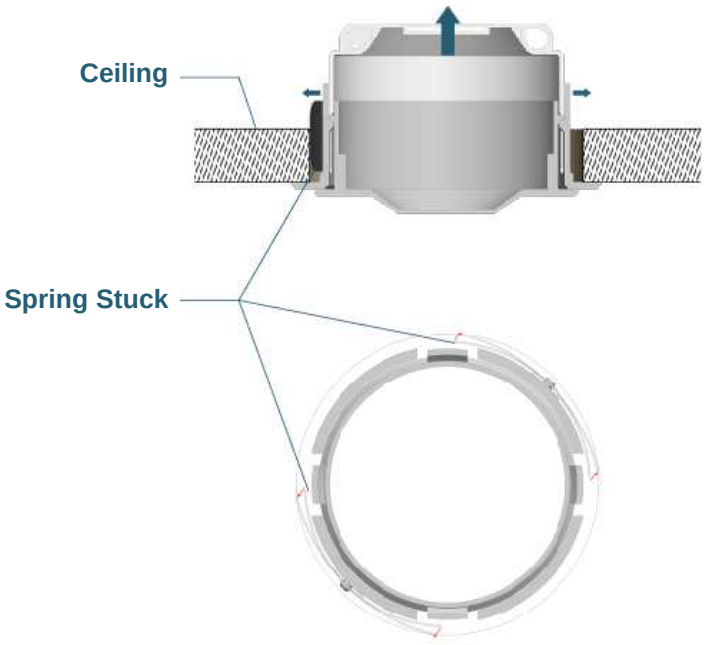

Fig 2. Installation details

DIP Switch				Time
1	2	3	4	
○	●	●	●	4 min
○	●	●	○	3.5 min
○	●	○	●	3 min
○	●	○	○	2.5 min
○	○	●	●	2 min
○	○	●	○	1.5 min
○	○	○	●	1 min
○	○	○	○	30 sec

DIP Switch				Time
1	2	3	4	
●	●	●	●	—
●	●	●	○	30 min
●	●	○	●	25 min
●	●	○	○	20 min
●	○	●	●	15 min
●	○	●	○	10 min
●	○	○	●	5 min
●	○	○	○	4.5 min

TIME DELAY SETTING

Fig 3. Setting Details

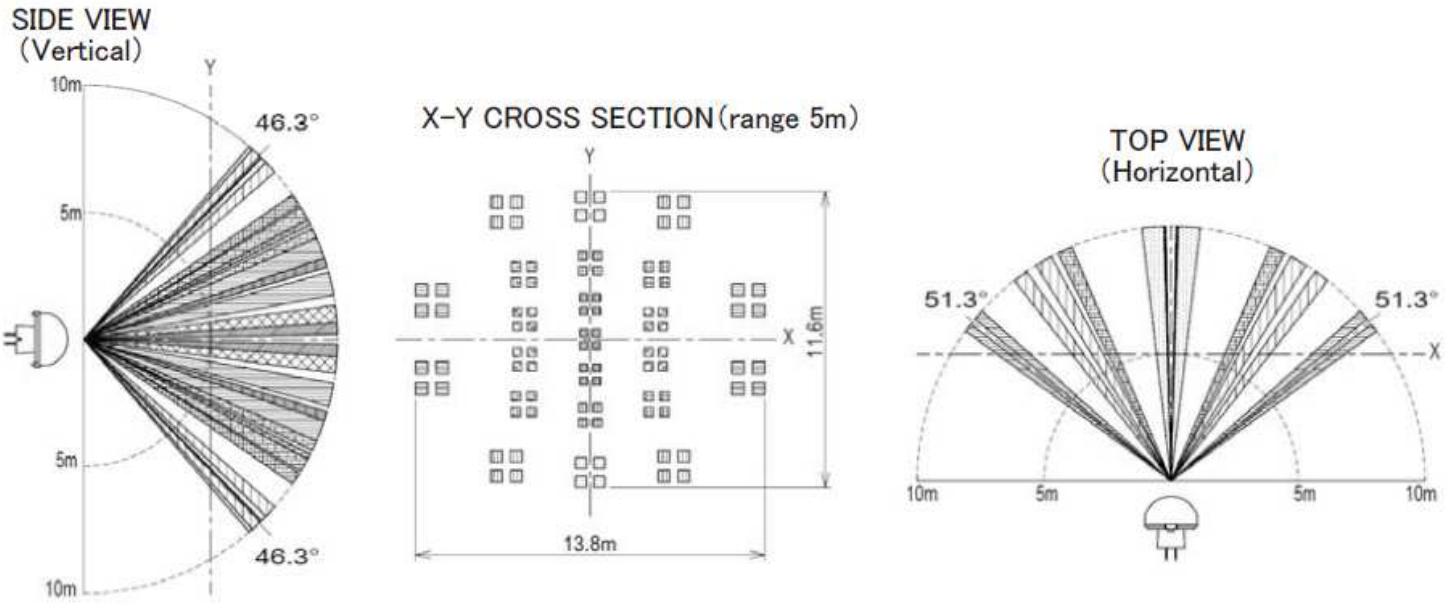

Fig 4. Detection Range