# QURUS
*Smart Lifestyle Solutions*

# Retrofit Sensor
## ON-OFF Sensor

### PRODUCT DESCRIPTION
- Ultra-slim design for Tri-proof LED light.
- Patented antenna design makes reliable detecting, avoid missing triggered when sensor built-in backside of metal LED plate.
- Adjustable detecting sensitivity via DIP switches, suitable to variety of installation sites.
- Support 6m Max. Mounting height .
- 2 years warranty.

Item Number: **QRSR-TP-HF-OF**

## INPUT

| | |
|---|---|
| Operating Voltage Range | AC,50Hz/60Hz |
| Rated Voltage | 220-240V AC,50Hz/60Hz |
| Stand-by Power | ≤0.5W |
| Surge Test | L--N: 1kV |

## OUTPUT

| | |
|---|---|
| Working Mode | ON/OFF function |
| Type of Load | Inductive or Resistive |
| Load Capacity | 400W(Inductive); 800W(Resistive) |
| Max. Surge Capacity | 30A (50% Ipeak, twidth=500uS, 230Vac full load, cold start); |
| | 60A (50% Ipeak, twidth =200uS, 230Vac, full load, cold start) |

## SENSOR PARAMETERS

| | |
|---|---|
| Operating Frequency | 5.8 GHz ±75 Mhz, ISM Band. |
| Transmitting power | 0.5mW Max. |
| Hold time | 5s//30s/90s/5min/20min/30min |
| Detection Sensitivity | 100%/75%/50%/25% |
| Daylight Sensor | 2Lux/10Lux/30Lux/50Lux/Disable |
| Detecting Radius | 3-10m(mounting height 3-4m) 2-8m(mounting height 6m) |
| Mounting Height | 6m Max. |
| Detecting Angle | 150° (Wall mounted), 360° (Ceiling mounted) |

## OPERATING ENVIRONMENT

| | |
|---|---|
| Operating Temperature | -25°C...+60°C |
| Storage Temperature | 40°C...+80°C(Humidity: 10%-95% Non-condensing) |

## CERTIFICATE STANDARDS

| | |
|---|---|
| Safety standards | EN61058-1 |
| EMC standards | EN300440;EN301489- 1;EN55015;EN61547;EN61000-3-2; EN61000-3-3; En62479 |
| Requirement | Compliant to RoHS |
| Certificate | CE,RED |

## OTHERS

| | |
|---|---|
| Wiring | Press-in Type Terminals, wire diameter: 0.75-1.5mm2 |
| IP Rating | Ip20 |
| Protection Class | Class II |
| Installation | Built-in |
| Dimension | 77.5*34.5*22mm |
| Package | Bubblebag+Clapboard + Carton(K=A) |
| Net Weight | 58±2g |
| Warranty | 2 years warranty. |

**Note**

1. "N/A"means not available.

2. Detection area is effected on volume of motion object and motion speed. The detection area is tested by a 170cm height person and walking speed is 0.3m/s.
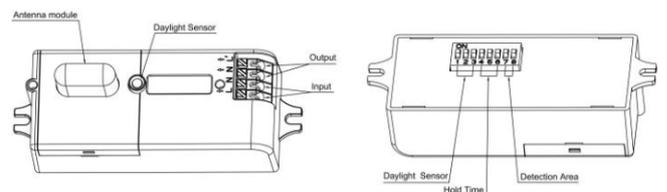
## DIMENSION DRAWING
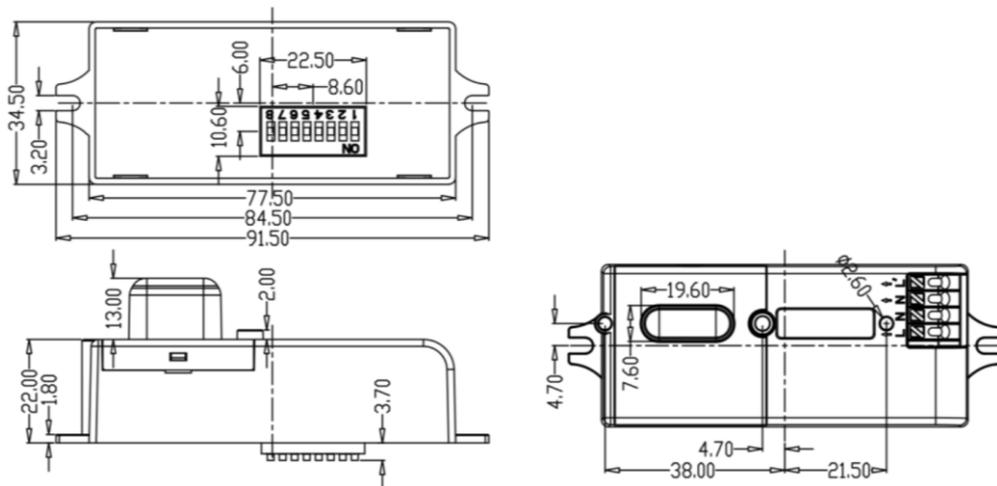


## WIRING
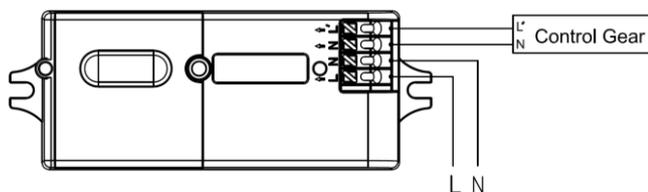


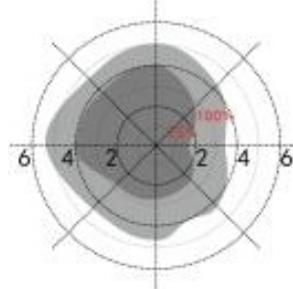*The sensor is designed to connect one load only. Connect more than one load may damage the sensor.
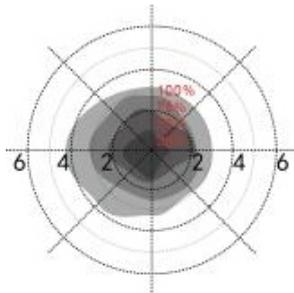
## STRUCTURE

## RADIATION PATTERN (CEILING MOUNTING)

Ceiling mounted height: 3m
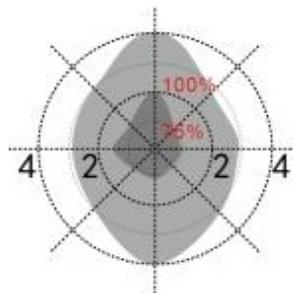Sensitivity: 100%/75%/50%/25%
Normal moving (Speed:1m/s)
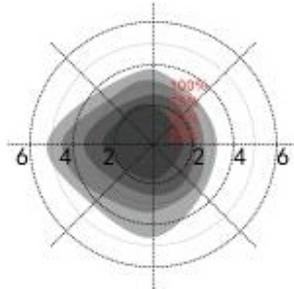
Ceiling mounted height: 6m(*)
Sensitivity:100%/75%
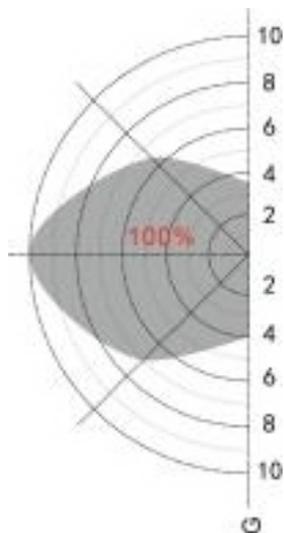Normal moving (Speed:1m/s)
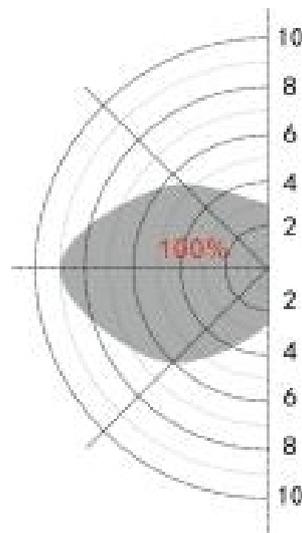
Slow moving (Speed 0.3m/s)

Slow moving (Speed:0.3m/s)

*Only 100%/75% detection sensitivity is workable when installed at 6m mounting height. 25%/50% sensitivity is not able to detect motion signal.

## RADIATION PATTERN (WALL MOUNTING)

Horizon mounted height: 2m Sensitivity: 100%

Normal moving (Speed: 1m/s)

Slow moving (Speed 0.3m/s)