

UFO

Energy Saving Auto-Switch

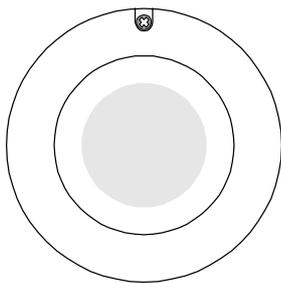
LC-363

GENERAL

The **UFO** is an automatic light-switching sensor designed for ceiling mount (recess) installation. This sensor switch is able to switch on the connected light when it detects the human presence within its detection coverage. The light or other load will be switched off automatically if no further movement is detected within a period of delay time. Its built-in relay is able to control the resistive load up to 10 Amp. To ensure correct operation and optimum performance, please read the following instructions carefully before installing.

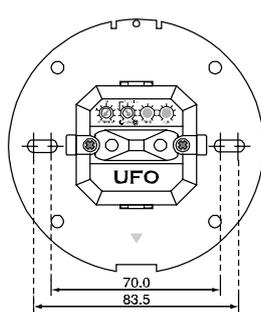
DESCRIPTIONS

Lens cover



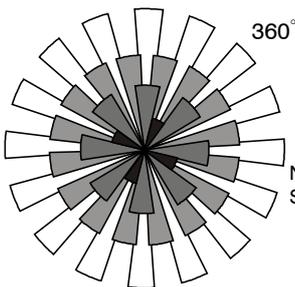
Unit:mm

Unit body

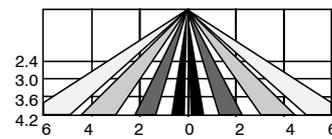


DETECTION PATTERN

Top view



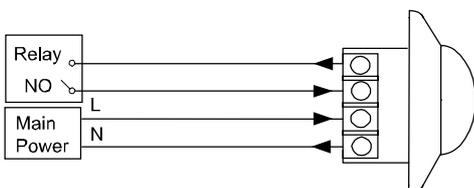
Side view



Normal Sens.	Mount height	2.4m	3.0m	3.6m	4.2m
	Coverage(Dia.)	6.0m	7.5m	9.0m	10.5m
Low Sens.	Mount height	2.4m	3.0m	3.6m	4.2m
	Coverage(Dia.)	4.2m	5.3m	6.3m	7.4m

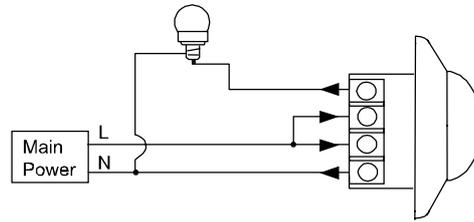
WIRING DIAGRAM

A. Relay contact output

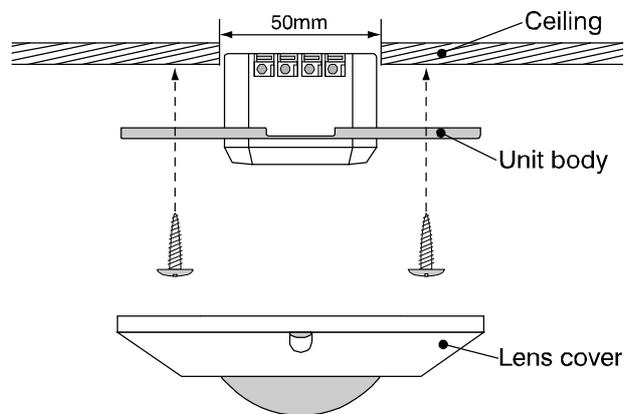


Installation Instructions

B. Load control



INSTALLATION



1. Please refer to the "DETECTION PATTERN" and locate the position where sensor can cover all routes of movement.
2. Make a round hole (60mm dia.) or a square (50 x 50mm) on the ceiling at the selected position for sensor mounting.
3. Connect the wires to the appropriate terminals. Mount the unit body and replace the lens cover.

WALK TEST

1. Switch on the mains power and wait for about 90 seconds for sensor to warm up. The light will be switched "ON" during warm-up period.
2. Walk across within the detection coverage area, light should be switched on whenever the sensor detects the movement. While testing, set the Light-on delay time (TIME) at the shortest for test convenience.
3. Adjust TIME and LUX controllers (refer to the following instructions) to set proper light control timing (LUX) and Light-on delay time (TIME).

TIME

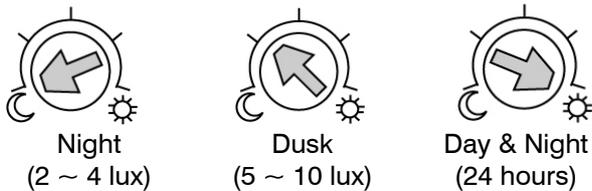
This controller determines the Light-on delay time after the last motion detected. The delay time can be set from approximately 10 seconds to 25 minutes.



NOTE: Any further movement detection before the delay time expired will reset the timer.

LUX

This controller determines the timing of light switching by sensing the ambient light level. User should consider the feature and requirement of lighting before setting the LUX level. To set the light to be switched on at desired light level, user can slowly adjust this controller in clockwise from Night, and stop when the light is switched "ON".



NOTE: If multiple sensors are installed in the same area to control different lighting, and LUX of each sensor is individually set, the brightness of the **first switched on light may disable the other sensors.**

DELAY END WARNING

This sensor switch features audible Delay End Warning (DEW) to remind the occupant the end of light-on delay time. The built-in buzzer will start beeping 5 seconds before the end of delay time. The DEW can be disabled by pulling off the jumper head marked "DEW".

SPECIFICATIONS

Detection method	Passive Infrared (PIR)
Infrared sensor	Dual element, low noise
Power supply	110 or 230 VAC, 60/50 Hz
Detection coverage	2.5 X H (m ,ceiling height)
Delay time	10 sec. ~ 5 min approx.
Delay end warning	5 seconds, can be disabled.
Switching capacity	10A resistive
Screw pitch	70.0 ~83.5mm
Mounting height	2.0 ~ 4.2m (8 ~14 ft)
Temperature	-20° ~+50°C (-4° ~+122°F)
Dimensions	110 (dia)x 60 mm(H)
Unit weight	120 gram



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