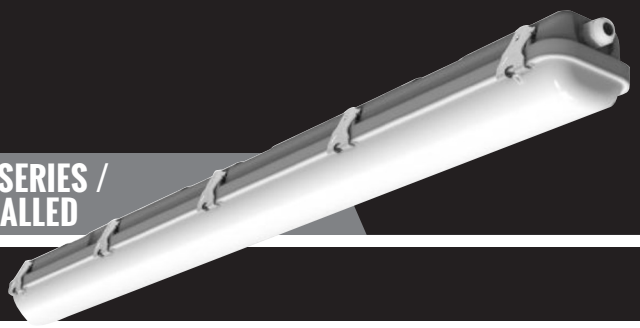
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INSTALLATION FOR VP542-M46WL0C-F-MS LED VAPOUR TIGHT LINEAR SERIES / CHANGEABLE WATTAGE AND COLOR TEMPERATURE / SENSOR PRE-INSTALLED



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⚠ WARNING

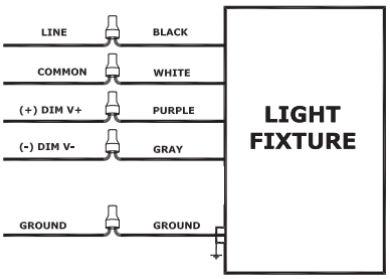
Intertek 5001780 · DLC · NSF · IK10 RATED · IP66 · NEMA 4X CERTIFIED · DIMMABLE · 5 YEAR LIMITED WARRANTY/GARANTIE LIMITÉE

CAN ICES-005 (B) / NMB-005 (B)

PLEASE READ ALL INSTRUCTIONS BEFORE ATTEMPTING INSTALLATION.

- To prevent personal injury or product damage only licensed electricians / personnel should install fixture.
- To avoid electric shock or component damage disconnect power before attempting installation or servicing.
- This product must be installed in accordance with the National Electric Code (NEC)/ Canadian Electrical Code (CEC) and all applicable Federal, State/Provincial and Local Electric Codes and Safety Standards.
- Disconnect fixture and allow cooling prior to servicing.
- Any alteration or modification of this product is expressly forbidden as it may cause serious personal injury, death, property damage and/or product malfunction.
- To prevent product malfunction and/or electrical shock this product must be properly grounded.
- All parts must be used as indicated in the instructions. Do not substitute any parts, leave parts out, or use any parts that are worn, damaged or broken.
- Selected fixture voltage must match supply line voltage.

Wiring Diagram



INSTRUCTION

Surface Mounting

Figure 1

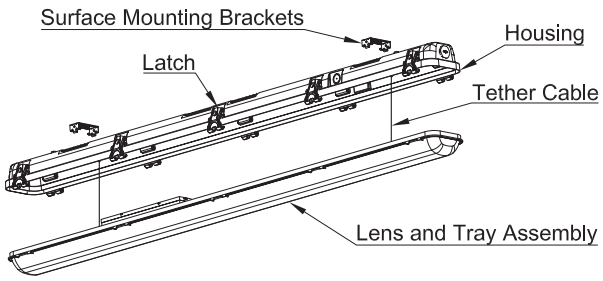
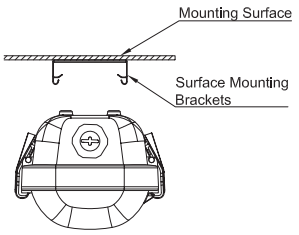


Figure 2



1. Use appropriate mounting screws and mounting plugs (supplied) to secure the Surface Mounting Brackets to the Mounting Surface. Recommended Surface Mounting Brackets distance center to center is 31.68".
2. If the default program of 38W and 4000K is suitable to the application, all that is required is connecting the wires as per the above Wiring Diagram, using UL approved connectors. Please ensure that the liquid tight plug (supplied) is installed in the opposite end of the fixture to ensure IP rating.
3. Loosen all stainless steel clips - the 2 clips on either end of the fixture on 1 side will remain in place to properly suspend the lens / tray assembly. Pre-Installed Tether Cables will also prevent the lens & tray assembly from disconnecting (Figure 1).
4. If attached fixture wire is not being employed, disconnect and remove power cord furnished. Insert flexible power cable through supplied cable gland allowing for sufficient length of stripped cable inside the housing. Tighten cable gland. Wiring to be connected as per above wiring diagram. Install liquid tight plug (supplied) into other end of fixture to ensure maintaining IP rating. .
5. Secure Lens and tray Assembly to housing by clamping all attached latches down. Be careful not to pinch any wires.
6. Push housing into surface mount brackets as shown in Fig. 2. Ensure that the housing is secured to the surface mounting brackets.

Junction Box Mounting

Figure 3

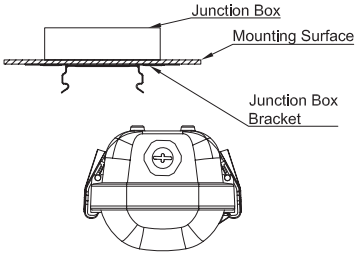
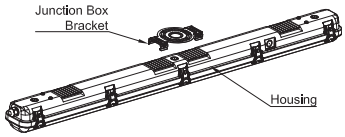


Figure 4

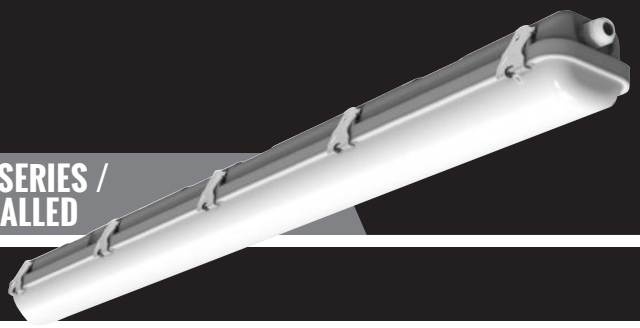


1. Use appropriate mounting hardware (not supplied) to secure the Junction Box Bracket (Accessory Option to be ordered if required) to Mounting Surface or Junction Box (not supplied) Fig 4. Use Cord Grip (supplied) to feed supply wires into fixture through removed center back knockout.
2. Use appropriate UL approved wire connectors as required by code to complete wiring supply wires (as per above wiring diagram). Be careful not to pinch wires.
3. Push housing into Junction Box bracket to secure fixture to Mounting Surface as shown in Fig 3.

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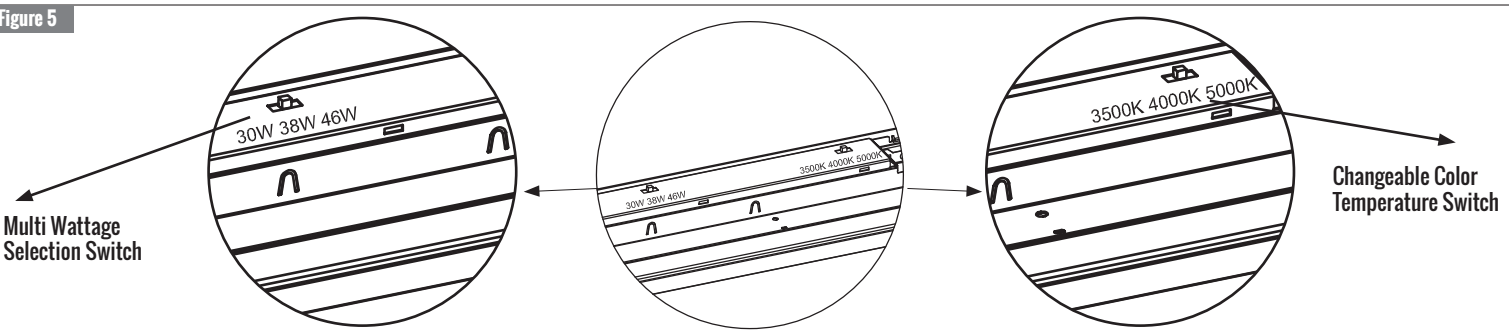
INSTALLATION FOR VP542-M46WLOC-F-MS LED VAPOUR TIGHT LINEAR SERIES / CHANGEABLE WATTAGE AND COLOR TEMPERATURE / SENSOR PRE-INSTALLED



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Setting Color Temperature and Wattage Level

Figure 5

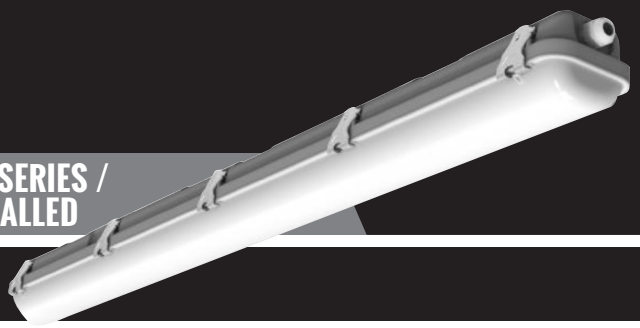


1. When fixture is open during installation, you can choose between 3 available wattage levels - 30W / 38W / 46W - and 3 available color temperatures - 3500K / 4000K / 5000K. There are 2 different switches that control these settings (Fig. 5)
2. Please note fixture comes with default settings being 38W & 4000K.
3. If wattage or color temperature adjustments are made after fixture is installed, please ensure power to fixture is turned off in advance and fixture is allowed to cool before proceeding.

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MICROWAVE SENSOR INSTALLATION GUIDE

INSTALLATION PRECAUTIONS.

1. The detected surface cannot be shielded by metal objects.
2. Make sure the microwave module is completely exposed outside.
3. The detection surface of the sensor module shall be installed facing the detection area.
4. Should be kept away from the driver to avoid interference generation and fixture flashing.
5. Wiring must be strictly in accordance with the wiring diagram to avoid short circuit.

USER NOTES.

1.Microwave can penetrate walls or glass thinner than 20mm.
2. The driver voltage shall be stable and float within 10%.
3. Detection area will be affected by speed of motion, mounting height and movement volume.
4. Conduct test on sunny days without the fixtureshade which will affect the tested lux value.

APPLICATION ENVIRONMENT.

1. Suitable for indoor installation.
2. Shall not be installed in the place with all four metal shelters and small space (such as galvanized-iron roof).
3. Shall note be mounted installation, so as to avoid false trigger caused by the fixture itself shaking.
4. Shall not be installed next to large operating machines such as ventilator/ceiling fan to avoid false triggering caused by machine vibration.

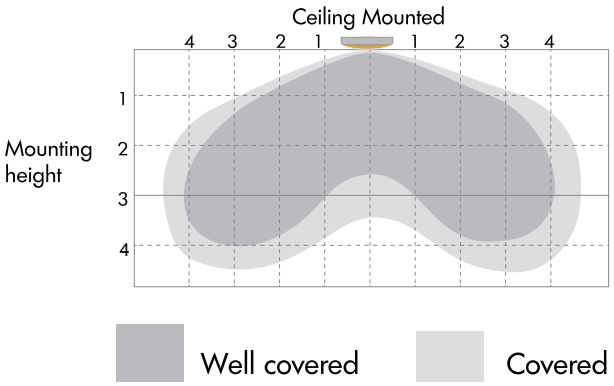


TECHNICAL INFROMATION	
Operating Voltage	DC:10.5-15V
Operating Current	<30mA
Stand-by Power	0.5W
Operating Current	<30mA
Control Method	0-10V / 0 -10V Dimming
Microwave Frequency	5.8GHz±75MHz
Microwave Power	<0.3mW
Detection Area	DIP Switch : 50%/100% Remote control : 25%/50%/75%/100%
Hold Time	DIP Switch :10s/1min/5min10min Remote control : 5s/30s/1min/3min/5min10min/20min/30min
Daylight Threshold	DIP Switch :10Lux/30Lux/50Lux/Disable Remote control : 2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable
Mounting Height	Max. 4m (ceiling mounted)
Detection Area	Diameter 10m*4m(Max)
Motion Detection	0.5~+1m/s
Detection Angle	150°(Wall mounted) 360°(ceiling mounted)
Operating Temperature	-20°C~+60°C
IP Rating	IP20
Warranty	5 Years
Function Setting	DIP Switch
Connection	Red 12V+ Black DIM- Yellow DIM+

NOTES:
1. The result is based on 1.65M/60kg medium-size man walking towards with speed 0.8m/s in vacant room: The sensor hanging at 3M height.
2. It may have different performance if the test delivered by different people, with different speed, at different height or in different conditions.

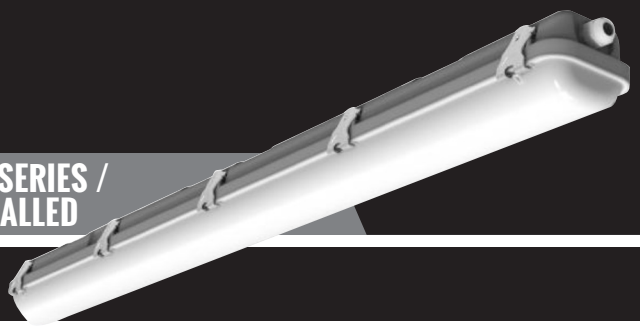
DETECTION RANGE

This figure indicates the maximum distance at the highest mounting height with 100% sensitivity.



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DIP Switch Setting

1 2 3 4 5 6 7 8 9

● Switch Up
○ Switch Down

Stand-by dimming level

● ●	10%
● ○	20%
○ ●	30%
○ ○	50%

The definition of low output in the standby period.

Stand-by period

● ●	1min
● ○	30min
○ ●	60min
○ ○	+∞

The period of light keeping low output before it's completely switched off. When it's preset as"∞", the light always keep at low output if no movement in the detection area and doesn't turn off.

Daylight Threshold

● ●	Disable
● ○	50lux
○ ●	30lux
○ ○	10lux

Definition of the ambient brightness: only when the ambient brightness is lower than the preset specific lux amount, the sensor will work: when it's preset as "disable",the sensor works everytime it detects motion regardless the ambient brightness.

Hold-Time

● ●	10s
● ○	1min
○ ●	5min
○ ○	10min

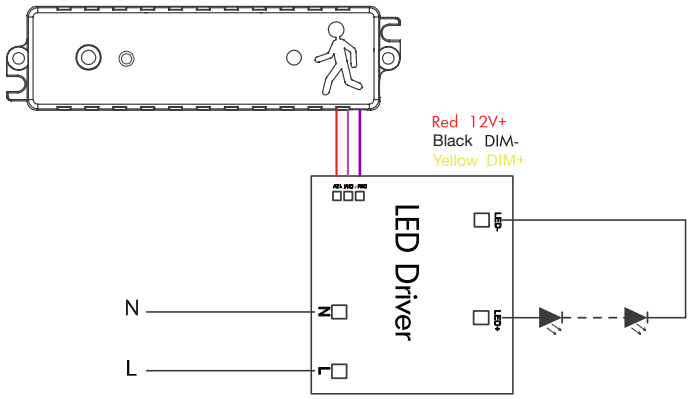
The period of light keeping 100% brightness after moving objects leave the detection area.

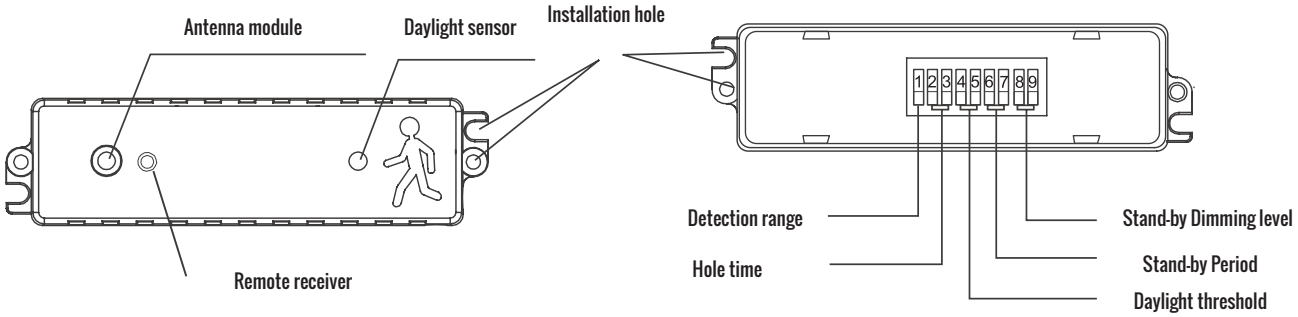
Detection Area

●	100%
○	50%

In this area, movement will be detected and able to trigger the sensor. 100% detection area is also known as the strong sensitvity.

SENSOR WIRING DIAGRAM



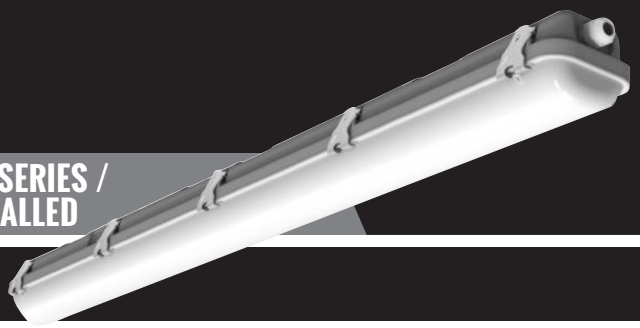


*NOTE - FOR EXPANDED SENSOR SETTINGS AND OPTIONS, PLEASE USE REMOTE VP542-RC

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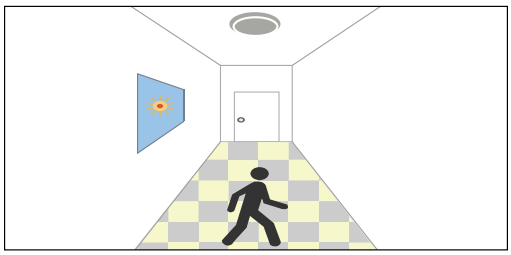
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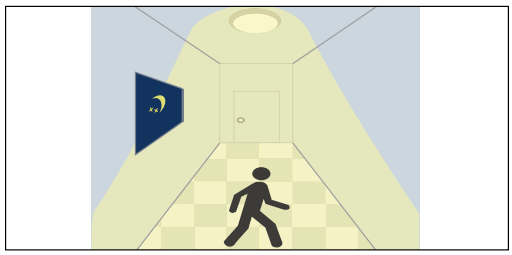
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AUTOMATICALLY ON / OFF FUNCTION:

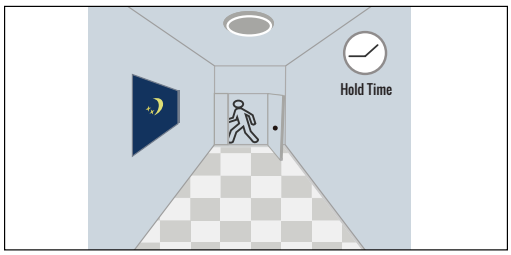
Light on when detecting movement and off after people leave at night. Applications: Corridor, Staircase.



With sufficient Daylight, even when motion is detected, the fixture remains off.



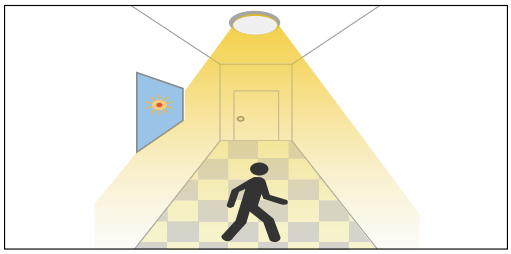
With insufficient Daylight, when motion is detected, the fixture will turn on.



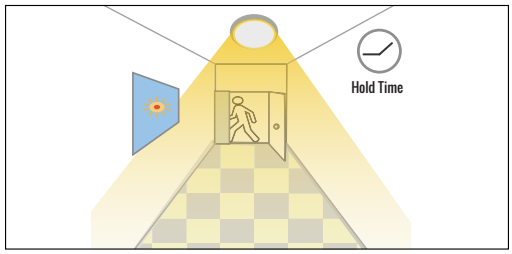
After the space is vacated, and the preset hold time has elapsed, the fixture will turn off.

NO DAYLIGHT FUNCTION

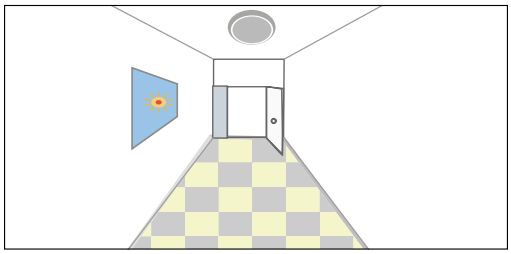
The daylight threshold is set to “Disable”.
Light on when detect movement, After people leave, Light off after stand-by period. Applications: Dim places such as Basement Parking, Underpass.



When motion is detected, the sensor will turn the fixture to 100% brightness.

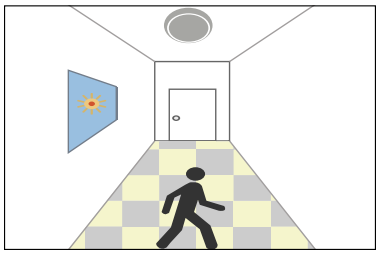


After the space is vacated, the fixture will remain at 100% brightness for the hold time

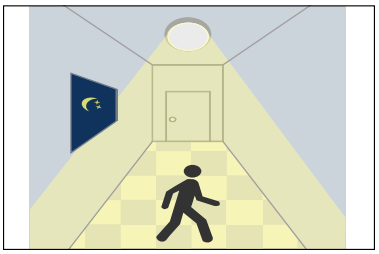


After the last detection and the preset hold time has elapsed, the fixture turns off.

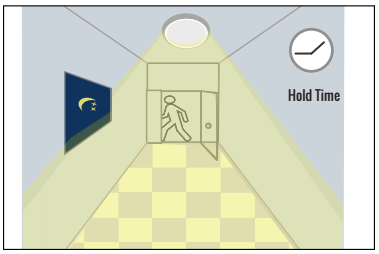
FUNCTION DEMO - DIMMABLE CONTROL/CORRIDOR FUNCTION



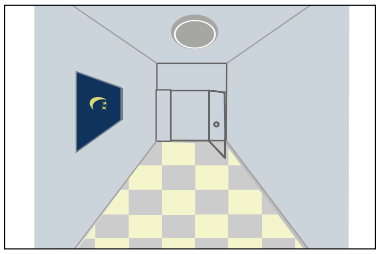
With sufficient Daylight. Even when motion is detected, the fixture remains off.



With insufficient Daylight, when motion is detected, the fixture turns on.



After last detection, the light will be dimmed down to the stand-by dimming level (10%,20%,30% or 50%) after holdtime.

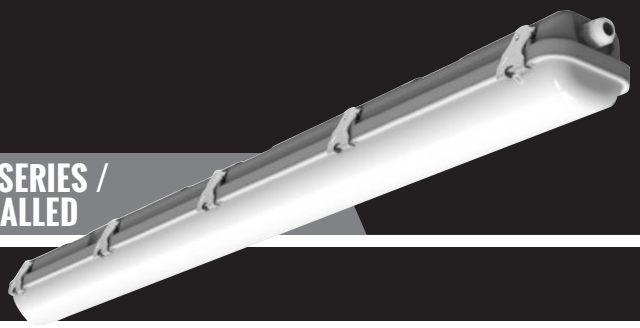


After the standby period, the fixture will go off.

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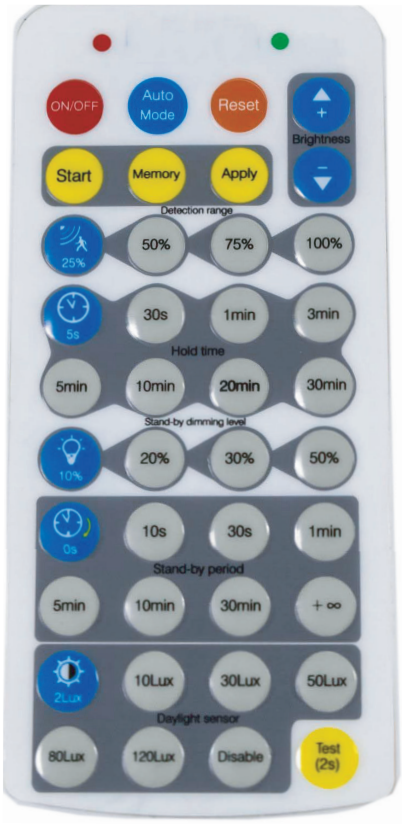
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REMOTE CONTROL APPLICATIONS



BUTTON NAME	DESCRIPTION
ON / OFF	1.The "ON/OFF" button functions only as a switch for the light. 2. If you press this button to turn off the lamp before it short-circuits, the lamp will remain off after powering on again
Auto Mode	Press the "Auto Mode" button to activate the sensor. All previous settings will remain the same before the light is switched on/off.
Reset	1. Press the "Reset" button to set brightness to the maximum level. 2. Press the "Reset" button: For products with DIP switches, settings will be controlled by the DIP switches. Otherwise, all settings will be reset to default: 100% detection range / Hold time: 5 seconds / No standby time / Daylight threshold disabled
+/-	1. Adjust brightness from 10% to 100% in ON/OFF mode. 2. Adjust maximum brightness from 60% to 100% in sensor mode.
Start	Press "Start" to customize a scene. Users can adjust: Detection range / Daylight threshold / Hold time / Standby dimming level / Standby period
Memory	1. Press "Memory" to save all settings. 2. The last saved settings will remain unless reset.
Apply	1. Press "Apply" to activate the saved settings. 2. Pressing "Apply" without using "Memory" will apply settings temporarily for a single operation. 3. Settings must be completed within 30 seconds, or the system will exit memory mode.
Detection Area	Press to define detection area 100%/75%/50%/25%.
Hold Time	Press to define holdtime 5s/30s/1min/3min /5min/10min/20min/30min
Daylight Threshold	Press to define daylight level 2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable. Note: "Disable" means the light will turn on when motion is detected, regardless of ambient lux levels.
Standby Period	Press to define stand-by period 0s/10s/30s/1min/5min/10min/30min/+∞. Note: "0s" means no standby period; "+∞" means an unlimited standby period.
Standby Dimming Level	Press to define stand-by dimming level 10%/20%/30%/50%.
Test (2s)	Pressing this button activates test mode, where the hold time is 2 seconds.

MEMORY & APPLY MODE.

1. Press the "ON/OFF" button to turn the light on or off.
2. To reset the parameters, follow these steps:
Step 1: Press "ON" to turn on the light if it was off.
Step 2: Press "Start" to begin setting the sensor.
Step 3: Adjust the Detection Range, Hold Time, Standby Dimming Level, Standby Period, and Daylight Threshold one by one.
Step 4: Press "Memory" to save the settings.
Note: Each parameter must be set within 30 seconds, or the system will exit memory mode.
3. To apply the same settings to other lights in the array:
Step 1: Press "ON" for the second sensor.
Step 2: Press "Apply" to transfer the saved settings.

ISOLATED SETTING MODE.

1. Press the "ON/OFF" button to turn the light on or off.
2. Press "Auto Mode" to apply the last saved settings or factory defaults.
To reset parameters, follow these steps:
Step 1: Press "ON" to turn on the light if it was off.
Step 2: Press any of the following buttons to enter sensor detection mode: Auto Mode / Reset / Test / Apply
Step 3: Adjust the Detection Range, Hold Time, Standby Dimming Level, Standby Period, and Daylight Threshold one by one.

NOTES:

1. Settings are saved automatically and will remain until reset.
2. The light will flicker when setting each parameter.

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