⚠ IMPORTANT:

READ CAREFULLY BEFORE OPERATING THIS FIXTURE. SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE. THIS FIXTURE MUST BE WIRED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES. PROPER GROUNDING IS REQUIRED FOR SAFETY. WE STRONGLY ENCOURAGE ONLY A LICENSED ELECTRICIAN INSTALL, OPERATE AND MAINTAIN THIS PRODUCT. IF YOU ARE NOT QUALIFIED OR UNFAMILIAR WITH ANY ASPECT OF THIS INSTRUCTION SHEET, CONSULT AN ELECTRICIAN. THERE ARE NO SERVICEABLE PARTS INSIDE.

⚠ WARNING:

RISK OF FIRE AND ELECTRIC SHOCK-DISCONNECT POWER AT BREAKER BEFORE WIRING OR SERVICING.
RISK OF PERSONAL INJURY-FIXTURE MAY BECOME UNSTABLE OR DAMAGED IF NOT INSTALLED PROPERLY.
RISK OF BURN-ALLOW FIXTURE TO COOL BEFORE SERVICING.
ULTRAVIOLET LIGHT IS HARMFUL TO EYES AND SKIN. **DO NOT** STARE DIRECTLY INTO THE ULTRAVIOLET BEAM OR DISINFECTION WITHOUT WEARING PROTECTIVE GEAR TO PROTECT EYES FROM LONG TERM DAMAGE.
DO NOT TOUCH BULB WITH BARE HANDS. THE OILS IN YOUR SKIN WILL DAMAGE THE LAMP. FINGERPRINTS WILL RESULT IN REDUCED PERFORMANCE AND SIGNIFICANTLY REDUCE
THE LIFESPAN OF THE LAMP UNLESS REMOVED WITH ALCOHOL. BE SURE FIXTURE IS DISCONNECTED FROM POWER SOURCE AND COOLED OFF BEFORE

EPA Reg. No 98409-1
EPA Est. No. 98409-TX-1

OPERATION SAFETY

1, People and animals are forbidden from being exposed to the light output of this light for extended periods of time. Long term exposure will cause damage to the eyes and skin.
2, This product produced UV radiation. Anything in front of the unit will be exposed to UV radiation. Operators positioning the light while not illuminated will not be exposed. Radiation is only emitted while the light is turned on. Radiation will not linger in the environment when the lamps have been powered off. Safety equipment is only required when the device is in-use.
3, Wear eye protective gear when operation the equipment. Polycarbonate safety glasses at minimum are required during all operations. Full frontal polycarbonate or UV-preventative face masks are recommended.
4, Wear long sleeves and gloves when operating the equipment. Personal protective gear is required for long term exposure.
5, Make it a policy to never enter areas being disinfected with UV lighting without powering off the light first. Seek local medical treatment if severe damaged caused.

DISINFECTION AREA AND TIME

1, Suitable for less than 400sq ft space disinfection per fixture.
2, For best results, setup the fixture in the middle of the area to be sanitized on a flat surface and set the sterilization time according to below table.
3, For surface disinfection, put the item close to the fixture within 1 meter distance, set the sterilization time to 15 minutes.

SPACE	WATTAGE	STERILIZATION TIME
100 sq ft	42W/84W	<15 min
200 sq ft	42W/84W	30 min/15 min
400 sq ft	42W/84W	60 min/30 min

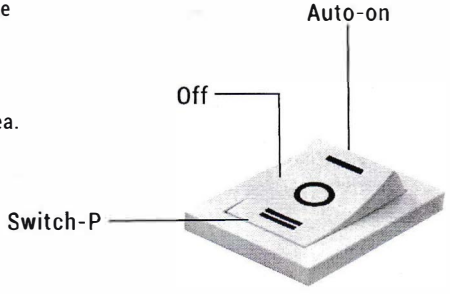
OPERATION

⚠ WARNING:

RISK OF FIRE AND ELECTRIC SHOCK-DISCONNECT POWER AT BREAKER BEFORE WIRING OR SERVICING.
CHECK PRODUCT LABEL FOR CORRECT INPUT VOLTAGE.

Once the unit is in desired location to be sanitized, connect the power cord to the supply power. Then choose the operation mode with the switch on the fixture.

Off: Factory default setting, Manually turn off the light.
Auto-on: Enable the microwave sensor that will automatically shut the light off when motion detected in the area. See specified instruction in next page.
Switch-P (optional): Enable to control additional control devices that connected to this light to achieve more function like setting schedules. See specified wiring diagram in next page.



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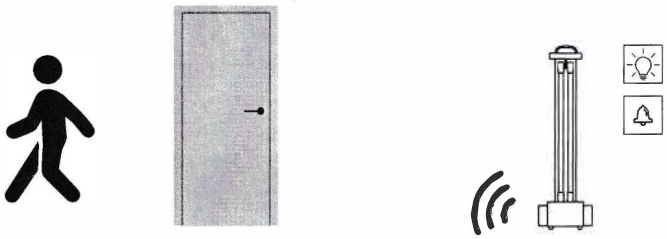


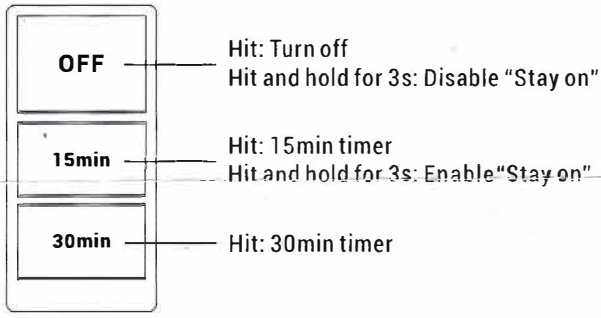
How Microwave Sensor works?

1, Motion detected, light be turned off, buzzer on.
2, No motion detected, light be turned on, buzzer off.
3, The timer will be interrupted by the shut off and keep counting after motion stops and goes undetected.

IMPORTANT INFORMATION:
1, Microwave sensor commissioning distance 10ft.
2, Microwave sensor coverage 360 degree.
3, 10ft apart for each fixture to avoid signal interference.
4, Default timing 30 minutes.

How Remote Controller works?

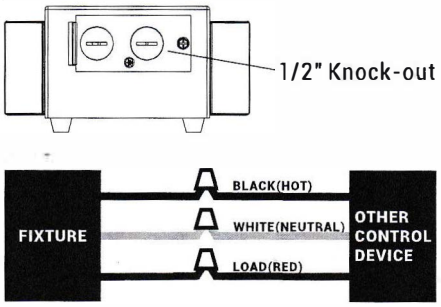
1, Powered by 1 piece Cr2032 battery.
2, 33ft control distance.
3, Can go through wooden door/wall, window, can not go through cement or metal or heavy sheet glasses.
4, **"Stay on"** : No timer setting. The lightstays on unless be turned off by the switch, or remote controller, or occupancy.
5, If fixture is turned off by remote controller, hit any other button to trigger it back to Auto-on mode. For example, hit **15min** button, fixture will auto on when no motion detected and also setup 15 minutes timer.



How to connect another control device to this fixture?

⚠ WARNING:
RISK OF FIRE AND ELECTRIC SHOCK-DISCONNECT POWER AT BREAKER BEFORE WIRING.

1, Loose the screw on the knock-out plate.
2, Punch the knock-out and fix the control device with a locker nut.
3, Connect the wires according to the diagram at right.
4, Re-install the knock-out plate.
5, Switch to "Switch-P" mode to enable all control devices working.



BULB REPLACEMENT

⚠ CAUTION:
Be careful during the replacement and maintainance. DO NOT touch bulb with bare hands. Allow fixture to cool before servicing.

1, Release the bulb from the clip on the top.
2, Lift the bulb from the socket.
3, Replace the bulb with one of the same type and rating.
4, Insert the bulb into the socket.
5, Press the bulb into the clip on the top.

⚠ IMPORTANT:
Unauthorized modification may impair the function and/or safety of this device and could affect the life of the equipment. Always check for damaged or worn out parts before using the device. Store it in a secure place out of the reach of children when not in use. Inspect for good working condition prior to storage and before re-use.

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Ultraviolet Radiation Safety

WARNING: Do not attempt operation until you are familiar with all warnings, precautions, and procedures outlined within this instruction sheet.

OPERATION PRECAUTIONS

- **UV LIGHT WARNING:** UV-C light can cause temporary or permanent loss of vision, and temporary acute redness or ulceration (mild to severe sunburn) to exposed skin. To prevent exposure, do not operate the device in any application that allows UV-C light to be visible during operation.
- **UV LIGHT CAUTION:** UV light may degrade plastic and rubber components after longterm exposure.
- Currently, there are no work place related rules and regulations that are set by OSHA (Occupational Safety and Health Association) in regard to UVC environmental health and safety.
- **NEVER LOOK DIRECTLY AT THE BULB OR DISINFECTING TARGET ZONE**

OPERATION SAFETY

- People and animals are forbidden from being exposed to the light output of this light for extended periods of time. Long term exposure will case damage to the eyes and skin.
- This product produces UV radiation. Anything in front of the unit will be exposed to UV radiation. Operators positioning the light while not illuminated will not be exposed. Radiation is only emitted while the light is turned on. Radiation will not linger in the environment when the lamps have been powered off. Safety equipment is only required when the device is in-use.
- Wear eye protective gear when operating the equipment. Polycarbonate safety glasses at minimum are required during all operations. Full frontal polycarbonate or UV-preventative face masks are recommended.
- Wear long sleeves and gloves when operating the equipment. Personal protective gear is required for long term exposure.

OPERATION SAFETY STRATEGIES

- Instruct service personnel to never look directly at UV-C light without adequate eye protection.
- Make it a policy to never enter areas being disinfected with UV lighting systems without powering the system down first. Methods of powering down depends on the options of the device purchased and may include unplugging the light source, operating the power switch to power the lamps off, or turning the system off via a wireless remote control or wireless application.
- Place warning labels near all openings/entrances to areas being disinfected with UV lighting systems. When possible, lock access doors to prevent unexpected guests from entering the area.
- Close blinds/curtains of areas being disinfected with UV lighting systems if available. If not available, block off direct access to windows/doorways to prevent access to the area. If you cannot fully block off all access (hallways with visible windows, etc) place exterior warnings in areas prior to the exposed windows (hall pedestals, banners, posters) explaining what areas are being disinfected and to not look into the room.
- Educate non service personnel about the intended operations for UV disinfecting and what signage will be posted. Instruct non service personnel to never look directly at UV-C light.
- Instruct service personnel to always wear personal protective gear (as outlined above) when they must operate in an area that has UV-C exposure, for short or long term work.

These safety precautions will help ensure service personnel are protected from accidental exposure while maintaining the effectiveness of UV-C to eradicate biological contaminants.

In the event of UV exposure, the following actions are recommended.

- See an ophthalmologist if eye damage is suspected.
- Treat skin lesions immediately.
- For severe skin lesions, seek local medical treatment and follow their recommendations for treatment.
- Follow your organization's incident reporting procedure. These often require documentation of the date and time of the incident, persons involved, equipment involved and type of injury.

THESE INSTRUCTIONS MAY NOT COVER ALL DETAILS OR VARIATIONS OF THIS PRODUCT FOR YOUR EQUIPMENT OR INSTALLATION REQUIREMENTS. SHOULD FURTHER INFORMATION NOT COVERED BY THESE INSTRUCTIONS BE REQUIRED, PLEASE CONTACT LARSON ELECTRONICS BY EMAIL AT SALES@LARSONELECTRONICS.COM OR BY PHONE AT 1-877-348-9680 FOR FURTHER ASSISTANCE.

PLEASE VISIT LARSONELECTRONICS.COM FOR **WARRANTY** AND **RETURN** INFORMATION.