

User Manual

LUMIO KEEPER

* Outdoor Pest Control Device

INNOTECH

Thank you for purchasing this product.

This product has been developed based on INNOTECH's advanced technology and designed to effectively attract insects.

Please read this manual carefully before use and operate the product properly.

LUMIO Keeper

1. Information for Users

- The product described in this manual has been manufactured under complete quality and performance inspection conditions.
- To maintain the product in its original condition and ensure accurate and safe operation, it must be used as described in this manual. For long-term performance, follow all instructions regarding operation, movement, storage, and installation.
- This manual contains information necessary for proper product use.
- Safety and warning instructions in this manual are critical for installation, operation, and maintenance. Users must fully understand and comply with all instructions.
- This manual does not include detailed information for all product versions and may not cover every situation related to installation, operation, or maintenance. For additional information or issues not covered in this manual, please refer to the manual or company website and contact your retailer or distributor.

2. Product Warranty Information

- The contents of this manual are not related to any agreement, contract, or legal rights. All warranty conditions for the product are defined in the sales contract with the customer and are not limited or included by the contents of this manual.

3. Product Supply

- When opening the package, please check whether the product has been damaged during delivery or supply. In particular, verify the manufacturing date and product label.

4. Product Standards and Regulations

- Unified standards applicable to classification and production have been applied to this product.

5. Overview

- This device features a digital timer with an annual scheduling function, allowing users to freely set the desired season and time.
- It is designed to repel pests such as mosquitoes, mayflies, and moths.
- The device operates on a 220V power supply.
- The device is designed to cut and discharge insects after capture.

Cautions



Electric Shock Hazard

WARNING

- Risk of electric shock.
- Always disconnect the power before servicing.
- Turn on the power only when the cover is closed. Do not open the cover while the power is on.
- Always turn off the power before replacing the lamp.

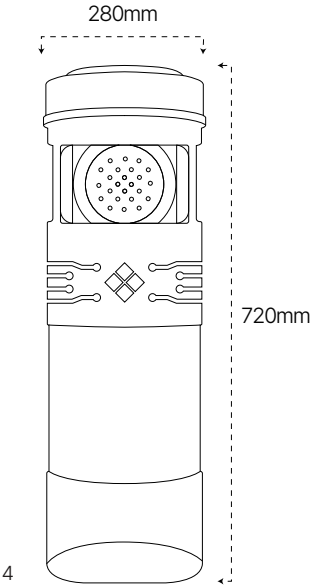
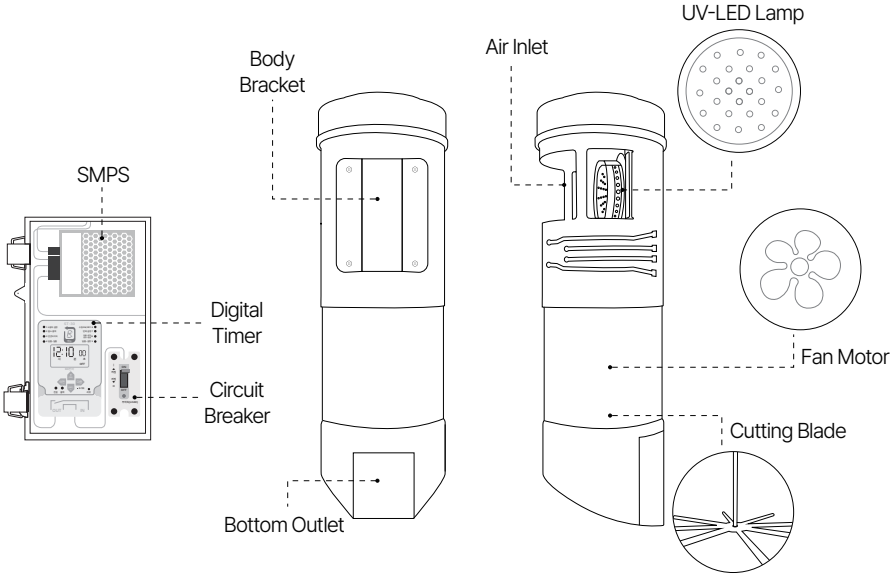
Precautions During Installation

- ① Do not disassemble, modify, or replace parts of the product.
- ② Install the product on a surface strong enough to support its weight.
- ③ Do not install the product on weak walls or areas subject to vibration.
- ④ If installing in a walkway or high-traffic area, make sure the device is securely mounted to prevent falling accidents.
Keep the power cord organized to avoid tripping hazards.
- ⑤ Do not connect the device to a circuit controlled by wall switches, automatic timers, or large appliances that may interrupt the power supply.
- ⑥ Do not install the product in areas with gas, oil, or flammable dust such as gas stations.
- ⑦ Install the device out of reach of hands.

Precautions During Use

- ① This product should not be used by persons with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless properly supervised or instructed.
- ② Do not operate the product with wet hands.
- ③ Always turn off the power before cleaning the inside of the device.
- ④ Be careful when opening or closing the product.
Fingers may get caught and cause injury.
- ⑤ Avoid bending or placing heavy objects on the power cord.
If the power cord is found to be damaged, please contact the installer or retailer.
- ⑥ If smoke or sparks are observed from the pest control device, unplug it immediately.

Names of Each Part

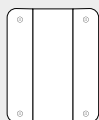


Product Specifications

Product Name	Electric Pest Control Device
Model Name	LUMIO KEEPER
Rated Input	AC100~240V
Rated Output	DC12V 4.2A (50W)
Installation Type	Outdoor (Fixed)
Material	Stainless Steel (SUS304)
Waterproof Rating	IP55
Applicable Lamp	UV-LED Lamp
Weight	9.5 kg (20.9 lb, including control box)
Dimensions	280×800×245 mm (11.0×31.5×9.6 in, excluding control box)

Installation Instructions

Keeper Installation Kit



Wall Mount Bracket
×1



Stainless Steel Band
(select size) ×2

Optional



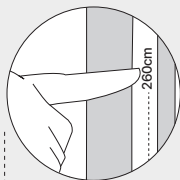
Bracket
Fixing Bolts ×4

Installation Video



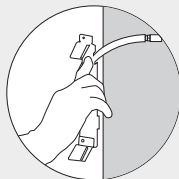
LUMIO KEEPER
Streetlight Mounting Guide

Keeper Installation Procedure

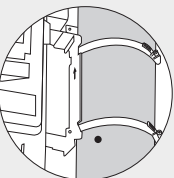
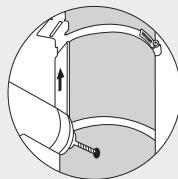


1. Fix the bracket to the streetlight pole at a height of 2.6 m
(≈102.4 in) using the stainless steel band.

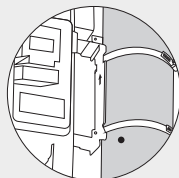
*Ensure the arrow mark faces upward.



2. Drill a hole on the lower right side
of the bracket for the power cable inlet
(Step 1: 3 mm / 7/64 in stainless drill,
Step 2: 8 mm / 5/16 in stainless drill)



3. Attach the pest control
device to the bracket.



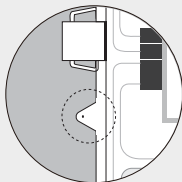
4. Secure the device firmly by
tightening the upper and lower bolts.



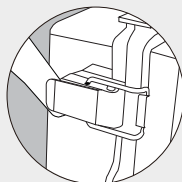
5. Insert the power cable of the
pest control device into the streetlight
pole and connect it internally.

How to Use

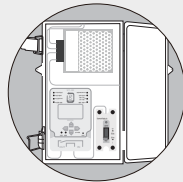
Keeper Setup Instructions



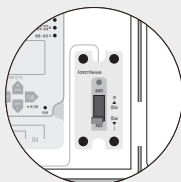
1. Remove the side lock.



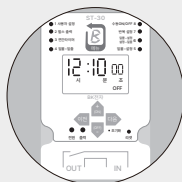
2. Open the latch hook.



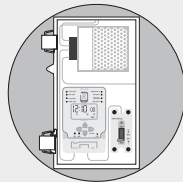
3. Pull the latch to open the cover.



4. Switch the circuit breaker to the ON position to power on the device.



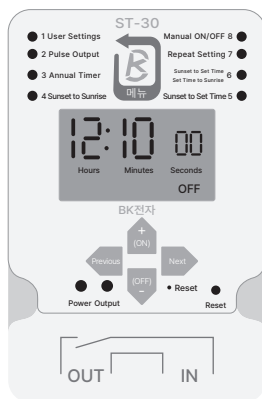
5. Set the timer as desired.



6. Close the cover and the device is ready for use.

*Due to the waterproof design of the wiring section, the ON/OFF switch is installed in reverse orientation.
*If the timer is not set manually, it will operate according to the default factory setting. For detailed timer settings, refer to the section below.

Timer Switch



Control Button



More than 3 seconds

Press and hold the 'Next' button for more than 3 seconds to set the factory default value

Factory Default Value

Apr. 1st 19:00 ~
Oct. 30th 05:00

*10 hours of use per day



User Function Selection



Press for more than 3 seconds to enter Current Time Setting Mode



Increase Value



Decrease Value



Move to Next Step



Move to Previous Step

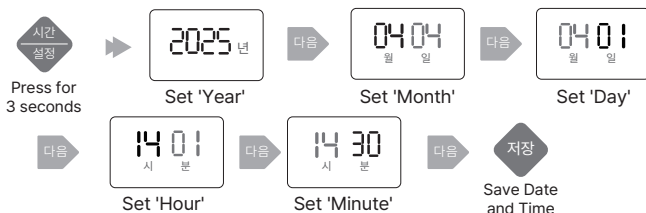


Save the Set Data

How to Use

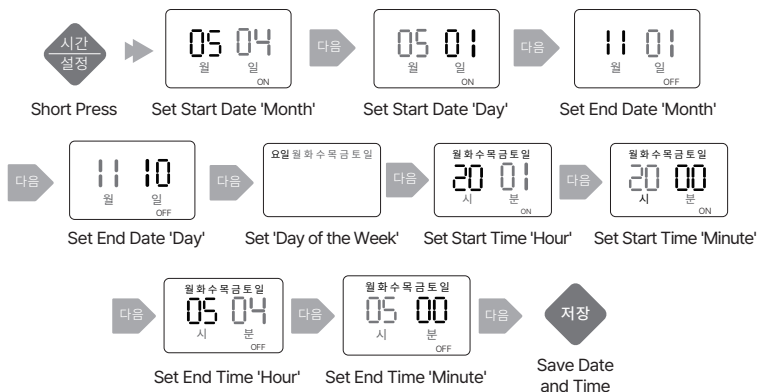
1. Setting Current Date and Time

Ex) April 1, 2025, 14:30



2. Timer Setting

Ex) From May 1st 20:00 (8:00 PM) to November 10th 05:00 (5:00 AM)



Replacement Cycle for Consumable Parts

1. Lamp lifespan: 1–5 years (in case of failure, contact your retailer or installer)
2. Motor lifespan: 1–5 years (in case of failure, contact your retailer or installer)
3. Digital timer: 1–5 years (in case of failure, contact your retailer or installer)
4. Circuit breaker: Over 5 years (in case of failure, contact your retailer or installer)