

# FLOWTRON® Electronic Insect Killer

## Installation, Operation & Instructions for All BK Models

### Important Safety Instructions

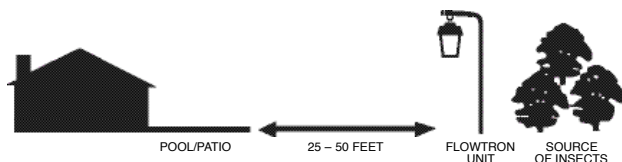
1. Install unit six to eight feet above the ground to avoid contact by children, pets and wildlife. For domestic use only.
2. Use properly grounded 115/120 volt ac outlet and three-wire grounded extension cord, (BK-15D and BK-40D only). For permanent installation, check local codes and consult an electrician or authoritative instruction book before installing.
3. Never place fingers or hands, or insert any objects into the unit while it is connected to an electrical outlet. Always disconnect the unit before cleaning, servicing, handling or disassembling unit.
4. Clean dead insects from bottom of unit frequently to reduce risk of fire.
5. Keep extension cord connections dry and off the ground.
6. Do not abuse power cord. Never carry unit by cord or yank cord to disconnect from receptacle. Keep power cord from heat, oil and sharp edges. Repair or replace damaged cord.
7. Do not mount unit on house, deck or other structures or near gas, oil or other inflammable materials.
8. Do not clean with water spray or the like.
9. For outdoor use only. Store indoors when not in use – out of reach of children.

### General Information

Your Flowtron Electronic Insect Killer attracts light sensitive flying insects with its high intensity ultraviolet light and its unique OCTENOL slow release lure. As insects fly toward the light, they pass through a patented vertical rod killing grid and are destroyed cleanly and efficiently without the use of chemical fogs or sprays.

### Installation

1. Unpack the insect killer. Save the carton and fillers. Use them for storage during off-season months.
2. Choose a sturdy mounting device from which to hang the unit. If permanent installation is desired, check your local electrical codes and see a professional electrician.
3. Hang the insect killer at a height of six to eight feet above the ground.
4. Place the unit 25 to 50 feet away from the area intended for human activity. Position the insect killer between the source of insects (woods, lowlands, etc.) and the area to be protected.



5. Plug the power cord into a grounded outdoor outlet or a U.L. listed 18 gauge extension cord. The bulb(s) will emit a bluish glow within a few seconds.

**Note:** Bulb may flicker slightly when insects are being destroyed. This is normal operation.

### Extension Cords

Outdoor extension cords may be used with the Flowtron insect killer. Use extension cords marked SJW-A or SJTW-A and tagged "suitable for use with outdoor appliances."


The electrical rating of the extension cord must be as great as the electrical rating of your Flowtron insect killer.

Use only three-wire extension cords which have three-prong grounding type plugs and three-pole receptacles which accept the product's plug. (Applies to BK-15D and BK-80D only).

Appropriate extension cords and devices for retaining an extension cord connection to the Flowtron insect killer power cord are available at your local dealer.

**NOTICE:** Grounding Instructions apply to models BK-15D and BK-80D. All other models are equipped with a two-wire power cord and do not require a three-wire extension cord or a grounding type receptacle.

### GROUNDING INSTRUCTIONS

Your Flowtron insect killer is equipped with an appropriate three-conductor cord and three-prong grounding type plug to fit the proper grounding type receptacle. To reduce the risk of electrical shock the plug must be plugged into an appropriate outlet that is properly installed and grounded. 

Your Flowtron insect killer has a grounding plug that looks like the plug as shown and is intended for use on a circuit that has an outlet as shown.

Consult a qualified electrician or serviceman if the grounding instructions are not completely understood, or in doubt as to whether proper grounding exists.

### OCTENOL MOSQUITO ATTRACTANT

U.S. Government and university researchers have demonstrated that **octenol**, a component of respiration, is effective in attracting many species of mosquitoes and biting flies. Your Flowtron insect killer uses an exclusive slow-release Octenol mosquito Attractant cartridge (MA-1000) which increases the effectiveness of the insect killer to lure mosquitoes and biting flies into its killing grid.

### Directions for Use:

Remove the octenol cartridge from the sealed pouch and peel the protective cover from the face of the cartridge. Avoid touching the openings in the cartridge and always wash your hands thoroughly after contact.

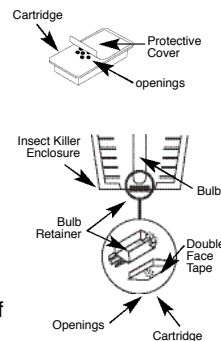
### Installation:

Remove the double face tape from the pouch and peel the backing paper off one side of the tape. Press the tape to the bottom of the cartridge, (side opposite the openings).

Peel the backing paper from the other side of the tape and press the cartridge firmly into the bulb retainer at the bottom of the enclosure (see illustration).

### Operation:

When your insect killer is on it will provide the heat and convective air flow to vaporize the lure and disperse it at the proper rate per hour for maximum effectivity. For best results replace the cartridge every 30 days.

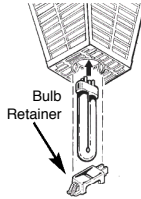


## Maintenance

**Cleaning:** Your insect killer is equipped with self-cleaning grids and require no special maintenance other than cleaning insect debris from the bottom of the unit. This should be done frequently using a small soft brush or blower such as a portable hair dryer, or the exhaust attachment of a vacuum cleaner. Be sure to unplug the unit before cleaning. Do not clean your insect killer with a water spray or the like.

## Bulb Replacement

1. Disconnect unit from electric source.
2. Depress latch and remove plastic bulb retainer at base of unit as shown.
3. Bulb can now be pulled down out of the upper socket.
4. Insert replacement bulb into upper socket.
5. Replace plastic bulb retainer and secure latch.



## Replacement Bulbs

Model Bulb	Bulb Type	Flowtron
BK 15D	15 watt U-shaped bulb	BF-35
BK 40D	40 watt U-shaped bulb	BF-190
BK 80D	40 watt U-shaped bulb(2)	BF-150

**Notice:** Ultraviolet or "black light" is invisible to the eye, and its ability to attract insects diminishes over time. Therefore, although the bulb appears to be functioning it should be replaced every season to maintain optimal "black light" effectiveness.

## Two Year Limited Warranty

Flowtron warrants your electronic insect killer to be free from defects in materials or workmanship under normal use and service for two years from date of original purchase. All parts except for burned out bulbs, which are defective, will be repaired free of charge. Any implied warranties, including the implied warranty of merchantability are also limited in duration to the two year period from the original purchase date.

The provisions of this warranty shall not apply to any Flowtron bug killer which has been subject to misuse, neglect or accident, nor which is used for a purpose for which it is not designed, or which shall have been repaired or altered in any way so as to adversely affect its performance and reliability. Service by unauthorized parties voids your warranty. Warranty covers only the original purchaser. Commercial and/or professional use is excluded from warranty coverage.

Flowtron neither assumes nor authorizes any person to assume for it any other liability in connection with its product. No responsibility is assumed for any consequential damages that may result from the use of a Flowtron product, nor for damages due to accident, abuse, lack of responsible care, the affixing of any unauthorized attachment, loss of parts or subjecting this unit to any but the specified voltage.

If the unit fails to operate during the warranty period, send the product, along with purchase receipt showing purchase date and description of the problem to: Flowtron Service Center, 15 Highland Avenue, Malden, MA 02148. Transportation costs for returning any defective product are the responsibility of the consumer.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

## Troubleshooting and Repair Analysis

Caution: unplug unit before servicing

Problem	Possible Cause	Correction
A. Bulbs do not light and no high voltage on grid.	<ol style="list-style-type: none"> <li>1. No electrical power.</li> <li>2. Lamp(s) not seated properly</li> <li>3. Starter defective.</li> <li>4. Burned-out bulb(s).</li> </ol>	<ol style="list-style-type: none"> <li>1. Check fuse or circuit breaker. Check extension cord.</li> <li>2. Check all sockets for proper seating and alignment.</li> <li>3. Starter replacement by manufacturer required..</li> <li>4. Replace bulb.</li> </ol>
B. Bulbs light, but no high voltage on grid. "Maintenance".	<ol style="list-style-type: none"> <li>1. Shorted grids.</li> </ol>	<ol style="list-style-type: none"> <li>1. Examine killing grid for material build-up. See cleaning under</li> </ol>
C. Intermittent or continuous sparking between grid rods.	<ol style="list-style-type: none"> <li>1. Gap between grid rods is too small.</li> <li>2. Grid clogged with foreign material.</li> </ol>	<ol style="list-style-type: none"> <li>1. Unplug unit and adjust grids by bending back into alignment using insulated screwdriver.</li> <li>2. Clean grid using an air blower.</li> </ol>
D. Bulb lights, but no longer attracts insects.	<ol style="list-style-type: none"> <li>1. Invisible blacklight output reduced due to bulb age.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace bulb. See bulb replacement section of owner's manual.</li> </ol>

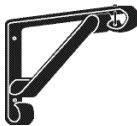
Any problems you encounter that are not corrected by the action recommended in this chart should be referred to the Flowtron Service Department, 781-321-2300

## Flowtron Insect Killer Accessories

### Security Wall Bracket

Model SB 300

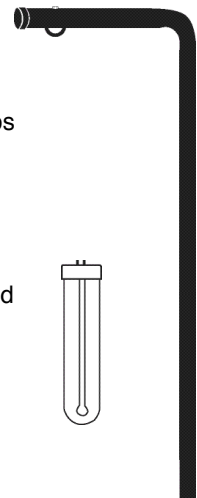
Attractive welded steel bracket with locking feature to help prevent theft. 6 1/2" long with 10" extension.



### Security Lantern Pole

Model SP 200B

Lantern pole has 1" diameter steel tubing. Locking feature helps prevent theft. 10 feet long with 14" extension.



### Powerful Lures:

Mosquito Attractant – MA 1000

Mosquito Attractant – MA 1000-6 (six pack)

Fly Sex lure – FA 5000

Makes your insect killer more effective in eliminating mosquitoes and flies.



### Replacement Bulbs

Yearly replacement recommended to maintain maximum black light output.



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