



# DETECTO<sup>®</sup>

*www.Detecto.com*



HEALTHYSOLE<sup>®</sup> 

## HealthySole<sup>®</sup> Plus System

Owner's Manual



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You may find the booklet “How to Identify and Resolve Radio TV Interference Problems” prepared by the Federal Communications Commission helpful. It is available from the U.S. Government Printing Office, Washington, D.C. 20402. Request stock No. 001-000-00315-4.

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When this device reaches the end of its useful life, it must be properly disposed of. It must not be disposed of as unsorted municipal waste. Within the European Union, this device should be returned to the distributor from where it was purchased for proper disposal. This is in accordance with EU Directive 2002/96/EC. Within North America, the device should be disposed of in accordance with the local laws regarding the disposal of waste electrical and electronic equipment.

It is everyone’s responsibility to help maintain the environment and to reduce the effects of hazardous substances contained in electrical and electronic equipment on human health. Please do your part by making certain that this device is properly disposed of. The symbol shown to the right indicates that this device must not be disposed of in unsorted municipal waste programs.



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<b>Serial Number</b> _____
<b>Date of Purchase</b> _____
<b>Purchased From</b> _____
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RETAIN THIS INFORMATION FOR FUTURE USE



# INTRODUCTION

Thank you for purchasing our Detecto HealthySole® Plus System, the first clinically proven No-Touch/Hands Free, UVC Germicidal, chemical free and Active Disinfection Technology™ to significantly manage the spread of infectious microorganisms traveling on the bottom of shoes.

HealthySole® Plus is a new, effective and groundbreaking use of UVC technology that reduces the dangerous organisms that cause HAI's. By introducing HealthySole® Plus into an existing infection control and prevention program, a healthcare facility adds a significant active layer of defense, that once implemented, reduces the rate of airborne, horizontal and cross contamination and does not incur additional labor costs.

Lowering the overall microbial burden in a healthcare facility, leads to a decrease of HAIs. Facilities who have positive performance standards by lowering HAI's, may reduce the additional treatment cost that is otherwise passed to them, shorten extended length of stay for patients, and save more lives.

Until now, infection control and prevention programs have been implemented with systems that can't provide a full and effective line of defense against HAI's. HealthySole® Plus fills a missing gap and is the first and only chemical free, hands free infection control product available today that actively works (24/7) and effectively kills up to 99% of exposed deadly organisms on the bottom of shoes in just 8 seconds resulting in lower overall microbial loads in key areas of hospitals and healthcare facilities that lead to the spread of infections.

Your HealthySole® Plus system has been manufactured with quality and reliability at our factory in Webb City, MO USA. This manual is provided to guide you through installation and operation of your system. Please read it thoroughly before attempting to install or operate your system and keep it handy for future reference.

# CAUTIONS

- NEVER expose eyes or skin to UV rays. Affix caution labels where UV light exposure is possible.
- DO NOT expose or place bare feet or place feet with socks onto unit or injury may occur.
- ONLY place shoes onto the HealthySole® system.
- Disconnect power before servicing system. Use only HealthySole® replacement lamps (part # 6645-0091) and Dust Shields (part # 6560-1137) with correct make and model numbers. Third party replacement parts will cause damage to equipment and will void all warranties.
- Only qualified installation and service personnel should install and service UV lamps and systems. Refer to Service section.
- UV lamps contain mercury, if lamp breaks follow local cleanup requirements. UVC lamps need to be disposed of in a similar manner as fluorescent lamps or as directed by local requirements. Dispose of UV lamps per state and local recycling rules and codes. Refer to [www.lamprecycle.org](http://www.lamprecycle.org).

## USAGE

- For Commercial or Medical use.
- Shoes and socks required.
- Restricted access areas.
- Minimum clearance of 3 feet from any area where people are permanently located.

## DUST SHIELD

The dust shield under the top plate is a Clear UVC Transparent Protector.

The Dust Shield must be kept clean, DRY, and free from dirt and debris or the germicidal effect will be greatly diminished.

Vacuum Dust Shield daily or when it becomes dirty. If Dust Shield becomes cloudy or dirty and can't be vacuumed, replace Dust Shield immediately. Refer to Replacement Parts section.

NEVER operate unit without Dust Shield, DAMAGE will occur to system.

Replace Dust Shield monthly or quarterly depending on use.

ONLY use Dust Shield model number 6560-1137.

## SENSOR SHIELDS

**The Sensor Shields (toe and heel) must be kept clean, DRY, and free from dirt and debris or shoe placement will not be properly detected and the unit will not operate.**

Vacuum the Sensor Shields when cleaning the Dust Shield (daily or when it becomes dirty). Alternately, use compressed air to clean dirt or debris from the Sensor Shields.



# CAUTIONS, CONT.

## SHOE PLACEMENT

The heel of your shoe must be placed at the back of the heel print on the top plate for proper results **or the unit will not operate.**

Watch screen for proper left right shoe placement on top plate.

**CAUTION:** Never expose eyes or skin to UV rays. **Place shoes on platform with heels of footwear even with the back of heel outline. NOTE: No high heel or open shoes.**

**ATTENTION:** Ne jamais exposer yeux ou la peau aux rayons UV. **Placez les chaussures sur la plate-forme avec des talons de chaussures, même avec le dos du talon contour. REMARQUE: Aucun haut talon ou chaussures ouvertes.**

## SERVICE and MAINTENANCE

**WARNING:** Hazardous voltage. Disconnect power before servicing.

**AVERTISSEMENT:** Tension dangereuse. Coupez l'alimentation avant l'entretien.

**BREAKABLE GLASS HAZARD** - can cause personal injury. Be careful when handling lamp. NEVER handle UV lamps without protective gloves.

**CASSABLE VERRE DANGER** - peut causer des blessures. Soyez prudent lorsque vous manipulez la lampe. NE JAMAIS manipuler des lampes UV sans gants de protection.

**BROKEN LAMP CLEANUP:** DO NOT use household or shop vacuum. Sweep debris into plastic bag and dispose of properly. Check with local regulations.

**BROKEN LAMP NETTOYAGE:** NE PAS utiliser ménage ou aspirateur d'atelier. Balayer les débris dans un sac plastique et éliminer correctement. Vérifiez les réglementations locales.

**MERCURY NOTICE:** This device contains mercury, so please check for local disposal requirements. Generally, UVC lamps need to be disposed of in a similar manner as fluorescent lamps. DISPOSE OF LAMPS PROPERLY.

**AVIS SUR LE MERCURE:** Cet appareil contient du mercure, alors s'il vous plaît vérifier les exigences d'élimination locales. En général, les lampes UVC doivent être éliminées de la même manière que les lampes fluorescentes. JETER DES FEUX CORRECTEMENT.

**NEVER EXPOSE EYES OR SKIN TO UV RAYS:** Hazardous Ultraviolet Light Rays. Exposure can cause damage to skin and eyes. Disconnect power and allow time to cool before servicing or removing the lamps. NEVER look at the light produced by the UVC lamp.

**NE JAMAIS EXPOSER LES YEUX OU LA PEAU aux rayons UV:** dangereux rayons ultraviolets. L'exposition peut causer des dommages à la peau et les yeux. Coupez l'alimentation et laissez le temps de refroidir avant de réparer ou de retirer les lampes. NE JAMAIS regarder la lumière produite par la lampe UVC.

# SPECIFICATIONS

Display Type:	3.2 in (diagonal) full color TFT display 320 x 240 resolution
Touch Screen:	Resistive touch panel covering the display
Infra-red Foot Placement:	Four IR sensors located in the base (two for toe of shoes and two for heels of shoes)
Shoe Opening Dimensions:	12 in L x 4.375 in W (305 mm L x 111 mm W)
Minimum Shoe Size:	Women's Size 6
Maximum Shoe Size:	Men's 13.5
Platform Size (with Feet)	17.2 in W x 21 in D x 2.4 in H (437 mm W x 533 mm D x 61 mm H)
System Base Height:	8.7 in (221 mm) with Sight Shield and Feet
System Overall Height:	54.3 in (1379 mm) with Column, Display and Feet
System Capacity:	500 lb (225 kg)
System Weight:	40 lb (18 kg)
Construction Materials:	304 Stainless Steel and Mild Steel construction
Power Requirements:	90 ~ 264VAC (47 ~ 63Hz) at 1.1A/115VAC (0.7 A/230VAC)
Operating Environment:	Operated Temperature Range: 55 to 90 °F (13 to 32 °C) Humidity: 0 to 90% non-condensing

## Features and Benefits

- HealthySole® UVC lamps utilize our patented plasma stable and Plastic Encapsulation Technology™, making them shatter resistant, self-cleaning and ETL listed
- Kills up to 99% of UVC exposed germs and pathogens in one step
- Disinfects without harmful gels or chemicals
- 8 second disinfection time
- Hands free operation
- LCD full color screen readout
- Countdown disinfection timer
- Lamp life gauge
- ETL CSA CUL CE listed
- HealthySole® Plus is patented and patent pending (US and worldwide)
- 1-year lamp life
- Exclusive Smart Ballast Technology™
- UV View™ top plate technology, elevates, reflects and refracts UV rays for best possible exposure and kill rates to the soles of your shoes

## Optional Features

- Wi-Fi via Lantronix xPico Wi-Fi module (plugs into PCB in system base)
- SD Card for use in storage of data (future)

# SITE PREPARATION REQUIREMENTS

## Environmental

- For indoor use only.
- Suitable for dry environments only RH < 90% and non-condensing environments.
- NEVER allow system to get wet.
- NEVER use around corrosive chemicals or products.
- Explosion hazard - Do not place in an oxygen or flammable environment.
- The system meets or exceeds all certification requirements within a temperature range of 55 to 90 °F (13 to 32 °C).

The system should be placed out of direct sunlight and to provide adequate air circulation, keep the area around the system clear.

Do not place the system directly in front of a heating or cooling vent. Such a location will subject it to sudden temperature changes.

Insure that the system has good, clean AC power and is properly grounded. In areas subject to lightning strikes, additional protection to minimize lightning damage, such as surge suppressors, should be installed.

## Electrical Power

The system has been designed to operate from 90 to 264VAC (47 to 63Hz) at 1.1A/115VAC (0.7 A/230VAC). Note that a special order is not required for operation at 230 VAC.

**WARNING! To avoid electrical hazard and possible damage to the system, DO NOT, under any circumstance, cut, remove, alter, or in any way bypass the power cord grounding prong.**

- The socket-outlet should be near the system and should be easily accessible. Note that the power cord on the HealthySole® Plus system serves as the power disconnect.
- On installations requiring 230 VAC power, **it is the responsibility of the customer** to have a qualified electrician install the proper power adapter plug that conforms to national electrical codes and local codes and ordinances.

## Electrical Noise Interference

To prevent electrical noise interference, make certain all air conditioning and heating equipment, lighting or other equipment with heavily inductive loads, such as welders, motors and solenoids are on circuits separate from the system. Many of these disturbances can seriously affect the operation of the system. These sources of disturbances must be identified and steps must be taken to prevent possible adverse effects on the system. Examples of available alternatives include isolation transformers, power regulators, uninterruptible power supplies, or simple line filters.

# INSTALLATION

## Unpacking

Carefully remove the HealthySole® Plus System from the shipping carton and inspect it for any damage that may have taken place during shipment. *Keep and use the original carton and packing material for return shipment if it should become necessary.* The purchaser is responsible for filing all claims for any damages or loss incurred during transit. Remove all plastic wrapping, foam fillers and cardboard material from system base, column with display and other components. You should have the following components:

- ① Column with attached Display
- ② System Base (with Dust Cover, Dust Shield and Base Cover pre-installed)
- ③ System Sight Shield
- ④ Hardware pack – 2, 1/4-20 x 1/2 Philips head screws
- ⑤ AC Power Cord

## Assembly

1. Place system base on level floor.
2. Evenly loosen both column clamp knobs.
3. Align column with opening in system base and insert column into system base.
4. Tighten both column clamp knobs **evenly** to secure column to system base.
5. Align the holes in the system sight shield with the holes on the rear of the system base cover and secure with two Philips head screws.

## Placing the System

- For indoor use only.
- Place the system on a flat, level floor or low-cut carpet away from heating and cooling vents.
- Make certain the power cord is out of the way of normal traffic to avoid a trip hazard.
- System is designed to operate within a temperature range of 55 to 90 °F (13 to 32 °C).
- Suitable for dry environments only RH < 90% and non-condensing environments.
- NEVER allow system to get wet.
- NEVER use around corrosive chemicals or products.
- Explosion hazard - Do not place in an oxygen or flammable environment.

## AC Power Connection

To power the system, connect the plug from the AC power cord into the power connector on the back of the system base and then plug the AC power cord into the proper electrical outlet. On models requiring 230 VAC, it is the customer's responsibility to obtain the correct power adapter plug.

# OPERATION

## Powering on the HealthySole Plus

Power is applied to the system by switching the power switch located in the base (next to the power connector) of the unit to the ON position.

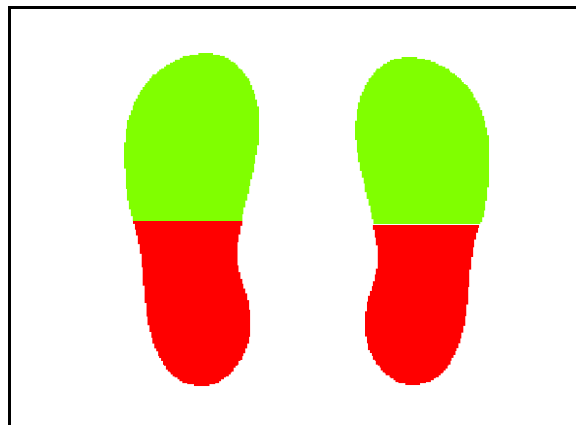
**NOTE:** Please note that when power is first applied to the system, a buzzing sound will be heard. This sound is the system checking to make sure the UV lamp shutters are closed.



**Display when System is Idle**

## Operation

1. To operate the HealthySole Plus, simply stand on the platform with the heels of footwear even with back of heel outline, paying attention to the foot placement indication on the display.
2. Once both shoe indicators turn green, the system will open the shutters and begin the disinfection process.
3. If shoes are not placed properly system will not activate.
4. Automatic safety and shoe placement sensors measure the proper alignment of your shoes on the landing plate for maximum disinfection and safety.



**Scanning for Proper Foot Placement**

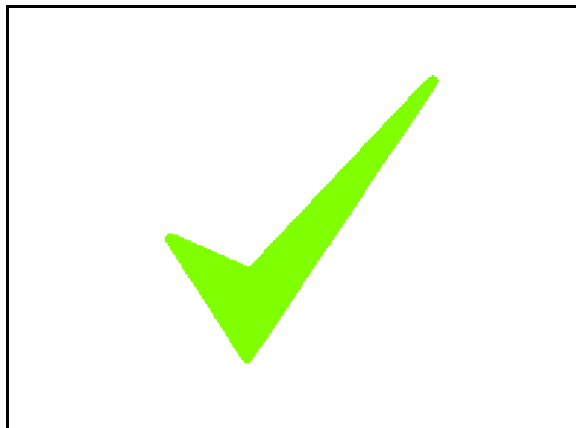
## **OPERATION, CONT.**

5. A timer countdown will be displayed to indicate the progress of the disinfection cycle.



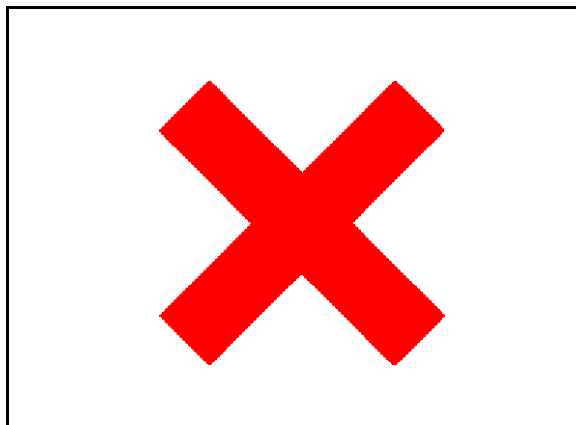
**Disinfection Process Countdown**

6. The display will indicate this when the cycle is complete:



**Disinfection Process Complete**

7. If you step off before the cycle is complete (or the system detects an issue with the shutter motors, the cover safety interlock or placement of shoes), the display will indicate this:



**Disinfection Process Interrupted**

# CARE AND CLEANING INSTRUCTIONS

- Never use spray cleaners or water on or near unit, or immerse in water.
- Use only approved cleaners check with your dealer for cleaning products.
- Do not wash, spray, drip or mop unit.
- USE ONLY A DAMP RAG WITH APPROVED CLEANERS.
- Dust shield must be in-place for proper and safe operation.
- Make sure all cords and exposed components are not damaged and in good working order before use.
- To avoid a trip hazard, make certain the power cord is out of the way of normal traffic.
- A safety inspection should be conducted daily by trained personal.
- If any physical damage is observed disconnect unit and return to dealer for repair.
- UV lamps contain (HG) mercury, recycle or dispose of per local codes or regulations. Information on lamp recycling is available at [www.lamprecycle.org](http://www.lamprecycle.org).
- Replace lamps yearly. **NOTE:** Only a qualified trained technician should replace UV lamps.
- Use only HealthySole Model HS-PLUS UVC replacements. Refer to Replacement Parts section.
- Damage will occur if recommended lamps are substituted.

## REPLACEMENT PARTS

Contact the Detecto Parts Department for replacement parts.

(800) 641-2045 / [parts@cardet.com](mailto:parts@cardet.com).


ITEM	PART NO.	QTY.	REPLACEMENT FREQUENCY
HS DUST SHIELD (12-Pack)	3300-0247-08	1	MONTHLY OR SOONER AS NEEDED
HS UVC LAMPS (2-Pack)	3300-0248-0A	2	AFTER 1-YEAR OF USE
HS BALLAST	6800-1077	1	

# TROUBLESHOOTING

<u>PROBLEM</u>	<u>POSSIBLE SOLUTIONS</u>
System does not power on	<p><b>CHECK AC POWER</b></p> <ul style="list-style-type: none"> <li>• Ensure power switch is in ON position. Is the AC power cord fully inserted into the system base and wall receptacle? Check wall receptacle for proper AC power. Try another electrical appliance in the same receptacle. Does it work? Check the circuit breaker. Has there been power failure?</li> </ul> <p><b>CHECK AC FUSES</b></p> <ul style="list-style-type: none"> <li>• Remove the AC power cord and check the 2 fuses. The fuse holder is a snap-in type and is located between the ON/OFF switch and the AC cord socket.</li> </ul>
Shutters will not open	<p><b>ENSURE THE SYSTEM IS ON</b></p> <ul style="list-style-type: none"> <li>• Follow the steps outlined above to make sure the system is powering on.</li> </ul> <p><b>CHECK SAFETY INTERLOCK.</b></p> <ul style="list-style-type: none"> <li>• After replacement of Dust Shield, ensure system base cover is installed correctly.</li> <li>• If after replacing lamps, make sure safety interlock cable is plugged into system board.</li> </ul> <p><b>CHECK IR SENSORS</b></p> <ul style="list-style-type: none"> <li>• Ensure toe sensor cable is connected.</li> <li>• If after replacing lamps, ensure heel sensor cables are plugged into system board.</li> </ul>
Lamps do not turn on	<p><b>ENSURE THE SYSTEM IS ON</b></p> <ul style="list-style-type: none"> <li>• Follow the steps outlined above to make sure the system is powering on.</li> </ul> <p><b>CHECK SAFETY INTERLOCK.</b></p> <ul style="list-style-type: none"> <li>• After replacement of Dust Shield, ensure system base cover is installed correctly.</li> <li>• If after replacing lamps, make sure safety interlock cable is plugged into system board.</li> </ul> <p><b>CHECK LAMP WIRING.</b></p> <ul style="list-style-type: none"> <li>• If after replacing lamps, ensure wiring to ballast is correct and wires are securely in terminal.</li> </ul> <p><b>CHECK BALLAST</b></p> <ul style="list-style-type: none"> <li>• Using a digital voltmeter and referring to the ballast label, check ballast input voltages.</li> </ul>



## TROUBLESHOOTING, CONT.

<u>PROBLEM</u>	<u>POSSIBLE SOLUTIONS</u>
Lamps turn on but are dim	<p><b>MAKE SURE DUST SHIELD IS CLEAN</b></p> <ul style="list-style-type: none"> <li>Follow the steps outlined in the <b>SERVICE AND MAINTENANCE</b>, Dust Shield Maintenance section to ensure the Dust Shield is not cloudy or dirty.</li> </ul> <p><b>IMPORTANT:</b> If Dust Shield cannot be cleaned, replace Dust Shield immediately. Refer to Replacement Parts section. <b>NEVER</b> operate unit without Dust Shield, <b>DAMAGE</b> will occur to system.</p> <p><b>CHECK BALLAST</b></p> <ul style="list-style-type: none"> <li>Using a digital voltmeter and referring to the ballast label, check ballast input voltages.</li> </ul>
<p>One or both shoe indicators on display will not turn completely green. Display then shows:</p> <div style="text-align: center;">  </div> <p>and returns to idle screen</p>	<p><b>MAKE SURE SENSOR SHIELDS ARE CLEAN</b></p> <ul style="list-style-type: none"> <li>The Sensor Shields (toe and heel) must be kept clean, <b>DRY</b>, and free from dirt and debris or shoe placement will not be properly detected and the unit will not operate.</li> <li>Vacuum the Sensor Shields when cleaning the Dust Shield (daily or when it becomes dirty). Alternately, use compressed air to clean dirt or debris from the Sensor Shields.</li> </ul>

# SERVICE AND MAINTENANCE

Only qualified service personnel should service system. Always disconnect power before servicing system. Only use HealthySole® replacement lamps and Dust Shields. Third party replacement parts will cause damage to system and will void all warranties.

## Dust Shield Maintenance

The Dust Shield must be kept clean, DRY, and free from dirt and debris or the germicidal effect will be greatly diminished. It should be vacuumed daily or when it becomes dirty. If the Dust Shield becomes cloudy or dirty and can't be vacuumed, replace it immediately. NEVER operate the system without a Dust Shield, damage will occur to the system.

## Replacing the Dust Shield

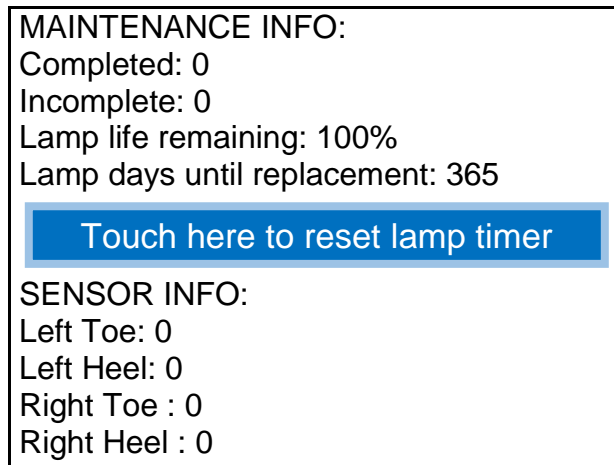
1. Switch the ON/OFF switch to OFF and unplug the AC power cord.
2. Remove the 4 screws (2 on each side) securing the system base cover.
3. Lift the cover slightly off the base to gain access to the toe sensor cable connector and disconnect the cable.
4. Set the cover aside.
5. Remove the old Dust Shield.
6. Place the new Dust Shield (part # 6560-1137) on system base aligning the notch for the cover safety interlock switch and hole in the dust shield for the heel sensors with the switch and sensors on the base.
7. Place system base cover on system base in a position that allows access to the toe sensor cable and reconnect cable.
8. Carefully position cover to align the 4 holes in the cover with the 4 holes in the base and install the screws removed previously.

# SERVICE AND MAINTENANCE, CONT.

## Lamp Maintenance

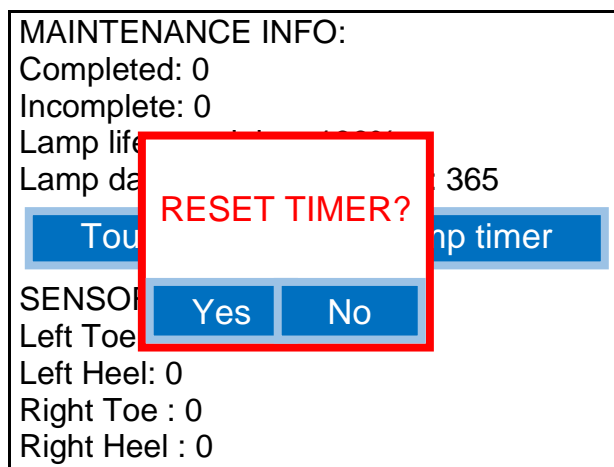
During replacement of the Dust Shield, it is recommended to check the life remaining on the UV lamps. Perform the following steps to check the UV lamps:

1. With the system base cover off, apply power to the system by switching the power switch located in the base of the unit to the ON position. **NOTE:** Please note that when power is first applied to the system, a buzzing sound will be heard. This sound is the system checking to make sure the UV lamp shutters are closed.
2. The display will turn on and show the Maintenance and Sensor Info screen.



**Lamp Maintenance and Sensor Info Display**

3. If it is determined that the lamps should be replaced, on the display press **Touch here to reset lamp timer** and then press **Yes** on the small popup window.
4. Proceed to LAMP REPLACEMENT section for instructions on replacing the lamps.



**Reset Lamp Timer Display**

**IMPORTANT! DO NOT RESET LAMP TIMER UNLESS UV LAMPS ARE REPLACED.**

# SERVICE AND MAINTENANCE, CONT.

## Lamp Replacement

**NOTE: BOTH UV LAMPS *MUST* BE REPLACED AFTER 1 YEAR OF USE.**

- Disconnect power and allow time for lamps to cool before servicing or removing them.
- NEVER handle UV lamps without protective gloves.
- Be careful when handling lamps. UV lamps contain mercury. If lamp breaks DO NOT use household or shop vacuum. Sweep debris into plastic bag and dispose of properly. Check with and follow local cleanup requirements.

1. Switch the ON/OFF switch to OFF and unplug the AC power cord.
2. Remove the 4 screws (2 on each side) securing the system base cover.
3. Lift the base cover slightly off the base to gain access to the toe sensor cable connector and disconnect the cable.
4. Set the base cover aside.
5. Remove Dust Shield and then Dust Cover and set aside.
6. Remove the 6 nuts and washers securing the ballast/system board cover to the base.
7. Lift the ballast/system board cover slightly off the base to gain access to the heel sensor cable connectors and the safety interlock cable.
8. Unplug the heel sensor and safety interlock cables from the system board.
9. Set the ballast/system board cover aside.
10. Manually open (about half-way) the right foot shutters to access the nut and washer securing the lamp wiring cover to the base.

**NOTE:** In order to manually open the shutters, press down on the motor linkage cam. DO NOT open the shutters by pulling the shutters apart. Damage will occur to the shutters and will void all warranties.

11. Remove the 2 nuts and washers securing the right lamp wiring cover to the base and then remove the 2 nuts and washers securing the left lamp wiring cover to the base.
12. Remove both lamp wiring covers and set aside.
13. Referring to the note in Step 10, completely open both shutters to access the lamps.
14. To release the lamp wiring from the ballast DC Output terminal, use a small flat blade screwdriver and press down on the release bar for the terminal and pull the wire out.
15. Perform the procedure for all wires from the lamps (2 white and 2 black).
16. Carefully lift the old lamps out of the unit and set aside in a safe location.

**IMPORTANT:** Dispose of the old UV lamps in a similar manner as fluorescent lamps in accordance with local, state and federal regulations. Please dispose of the old UV lamp properly. For information on proper disposal of the lamps, see [www.lamprecycle.org](http://www.lamprecycle.org).

17. Wearing protective gloves, install the new lamps (part # 6645-0091) in the unit. Ensure that the lamps are completely in the holder.

## **SERVICE AND MAINTENANCE, CONT.**

### **Lamp Replacement, Cont.**

18. Connect each wire from the new lamps to the ballast Output terminal observing the wire colors.
19. To terminate a wire, using the small flat blade screwdriver, press down on the release bar for the terminal and insert the wire into the opening. Remove the screwdriver allowing the release bar to return to its original position, locking the wire in place.
20. Perform the procedure for all wires from the lamps (2 white and 2 black).
21. Place the ballast/system board cover slightly off the base to gain access to the heel sensor cable connectors and the safety interlock cable and plug-in the heel sensor and safety interlock cables into the system board.
22. Making sure there are not any wires under the cover, install the 6 nuts and washers removed previously to secure the ballast/system board cover to the base.
23. Install the Dust Cover and then the Dust Shield.
24. Place system base cover on system base in a position that allows access to the toe sensor cable and reconnect cable.
25. Carefully position cover to align the 4 holes in the cover with the 4 holes in the base and install the screws removed previously.

# SERVICE AND MAINTENANCE, CONT.

## Ballast Replacement

1. Switch the ON/OFF switch to OFF and unplug the AC power cord.
2. Remove the 4 screws (2 on each side) securing the system base cover.
3. Lift the base cover slightly off the base to gain access to the toe sensor cable connector and disconnect the cable.
4. Set the base cover aside.
5. Remove Dust Shield and then Dust Cover and set aside.
6. Remove the 6 nuts and washers securing the ballast/system board cover to the base.
7. Lift the ballast/system board cover slightly off the base to gain access to the heel sensor cable connectors and the safety interlock cable.
8. Unplug the heel sensor and safety interlock cables from the system board.
9. Set the ballast/system board cover aside.
10. To release the lamp wiring from the ballast DC Output terminal, use a small flat blade screwdriver and press down on the release bar for the terminal and pull the wire out.
11. Perform the procedure for all wires from the lamps (2 white and 2 black).
12. To release the wiring from the ballast AC Input terminal, use a small flat blade screwdriver and press down on the release bar for the terminal and pull the wire out.
13. Perform the procedure for the Blue wire and Brown wire from the system board and the Green ground wire.
14. Remove the 2 nuts and washers securing the ballast to the base.
15. Install the new ballast and secure with the 2 nuts and washers removed above.
16. Connect the 2 white and 2 black wires from the lamps to the ballast DC Output terminal.
17. To terminate a wire, using the small flat blade screwdriver, press down on the release bar for the terminal and insert the wire into the opening. Remove the screwdriver allowing the release bar to return to its original position, locking the wire in place.
18. Follow the procedure in Step 17 and connect the Blue wire and Brown wire from the system board and the Green ground wire to the ballast AC Input terminal.
19. Place the ballast/system board cover slightly off the base to gain access to the heel sensor cable connectors and the safety interlock cable and plug-in the heel sensor and safety interlock cables into the system board.
20. Install the 6 nuts and washers removed previously to secure the ballast/system board cover to the base.
21. Install the Dust Cover and then the Dust Shield.
22. Place system base cover on system base in a position that allows access to the toe sensor cable and reconnect cable.
23. Carefully position cover to align the 4 holes in the cover with the 4 holes in the base and install the screws removed previously.

# HEALTHYSOLE® STATEMENT OF LIMITED WARRANTY

DETECTO warrants HealthySole® products to be free from defects in material and workmanship as follows:

DETECTO warrants to the original purchaser only that it will repair or replace any part of equipment which is defective in material or workmanship for a period of one (1) year from date of shipment. DETECTO shall be the sole judge of what constitutes a defect.

During the first ninety (90) days, DETECTO may choose to replace the product at no charge to the buyer upon inspection of the returned item.

After the first ninety (90) days, upon inspection of the returned item and at DETECTO's discretion, DETECTO will repair the item or replace it with a remanufactured product. The customer is responsible for paying for the freight both ways.

This does not apply to any item which has deteriorated or damaged due to wear, accident, misuse, abuse, improper line voltage, improper cleaning, overloading, theft, lightning, fire, water or acts of God, or due to extended storage or exposure while in purchaser's possession. This warranty does not apply to maintenance service.

DETECTO may require the product to be returned to the factory; item(s) must be properly packed and shipping charges prepaid. A return authorization number must be obtained for all returns and marked on the outside of all returned packages. DETECTO accepts no responsibility for items lost or damaged in transit.

## Replacement Parts

Consumable components are warranted as follows:

- The ballast is covered under the standard one (1) year warranty, as detailed above.
- The two UVC lamps carry a ninety (90) day repair or replacement warranty only.
- The dust shield is not covered under warranty.

## Conditions Which Void Limited Warranty

This warranty shall not apply to equipment which:

- A.) Has been tampered with, defaced, mishandled or has had repairs and modifications not authorized by DETECTO.
- B.) Has had serial number altered, defaced, or removed.
- C.) Has not been properly grounded according to DETECTO's recommended procedure.

## Freight Carrier Damage

Claims for equipment damaged in transit must be referred to the freight carrier in accordance with freight carrier regulations.

This warranty sets forth the extent of our liability for breach of any warranty or deficiency in connection with the sale or use of the product. DETECTO will not be liable for consequential damages of any nature, including but not limited to, loss of profit, delays or expenses, whether based on tort or contract. DETECTO reserves the right to incorporate improvements in material and design without notice and is not obligated to incorporate improvements in equipment previously manufactured.

The foregoing is in lieu of all other warranties, express or implied including any warranty that extends beyond the description of the product including any warranty of merchantability or fitness for a particular purpose. This warranty covers only those DETECTO products installed in the forty-eight (48) contiguous continental United States.



Printed in USA

3300-0196-0M Rev A 05/16



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