

OXY 4™ Air Sterilizer

Ultra Violet Advanced Air Treatment System

EXTENDED SURFACE AREA WITH CATALYTIC REACTIONS FOR ADVANCED PLASMA OXIDIZERS



USB PROGRAMMING PORT

LED "SMART LIGHT" MONITOR

PROGRAMMABLE LCD OPTION

Features

- Helps Kill, Oxidize & Sterilize
- Dual UV Oxidizing lamp
- 9" & 16" Models
- Whole Home Purification
- Programmable LCD for Contact details
- UVC "Smart Light" monitor
- Multi Voltage - Auto Sensing Ballast
- High Temp "Attic" model - 220F° (104C°)
- Tandem Feature for Multiple Units
- Large Surface area for Active Oxidation

WARNING!

-  Power supply can cause electrical shock. Be sure the UV power supply is disconnected before installation begins.
-  Do not open the ballast unit as it is designated to be installed as one piece. There are no service components inside.
-  UV light may affect plastics in the heating and cooling system. Select a location that reduces lamp exposure to plastic components that are not UV resistant.
-  Do not touch glass without gloves. Keep lamp surface clean.
-  Lamps contain small amounts of mercury. If lamp breakage occurs, clean area and dispose with care.
-  To minimize the risk of UV exposure to skin and eyes, only power the lamp when the installation is complete. Lamp illumination is confirmed by the UV safety port window.
-  Disconnect power before all lamp change-outs or servicing. There are several disconnects. We recommend completely disconnecting all power from electrical power supply.

Specifications

- Dimensions:** 6 1/2" x 6 1/2" x 9" & 16"
Electrical: 24 to 120 VAC *
Weight: Less than 4 lbs.
Humidity: Water - resistant lamp
Lamp Life 9000hours
Power Required 24VA: 40 VA Transformer
*24Volt up to 18 watts
*120Volt for 36 watt models

Replacement Lamps

- | | |
|-------------------------|--------------------------------------|
| Model: 6RDP4X(L)O10W7L | REPLACEMENT LAMP: 6RBUVO10W7L |
| Model: 6RDP4X(L)O18W9L | REPLACEMENT LAMP: 6RBUVO18W9L |
| Model: 6RDP4X(L)O36W16L | REPLACEMENT LAMP: 6RBUVO36W16L |
| Model: 6RDP4X(L)O10W7L | REPLACEMENT PCO TRAY Oxy 4: 6RS4X9L |
| Model: 6RDP4X(L)O18W9L | REPLACEMENT PCO TRAY Oxy 4: 6RS4X9L |
| Model: 6RDP4X(L)O36W16L | REPLACEMENT PCO TRAY Oxy 4: 6RS4X16L |

Step 1

Use rubber template for installation location.
Peel off backing and mount. (Figure 1)

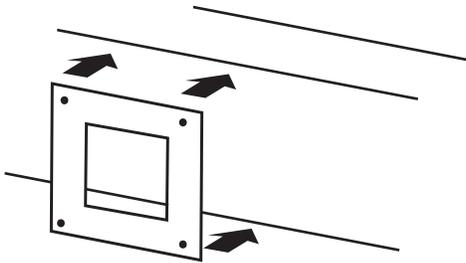


Figure 1

Step 2

Cut access hole in duct. (Figure 2)

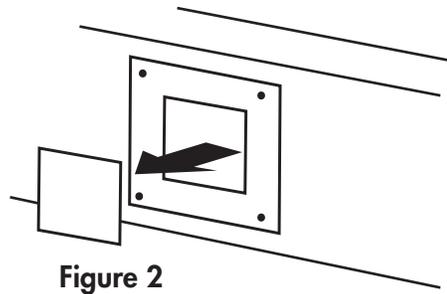


Figure 2

Step 3

Mount base plate to duct as shown - 4 screws.
(Figure 3)

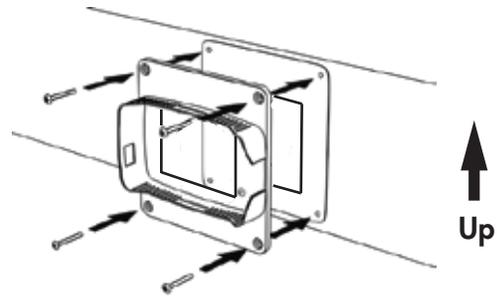


Figure 3

Step 4

Slide the complete assembly into the base plate as shown.
Depress the upper & lower, UV module locking tabs,
to "snap" into place. (Figure 4)

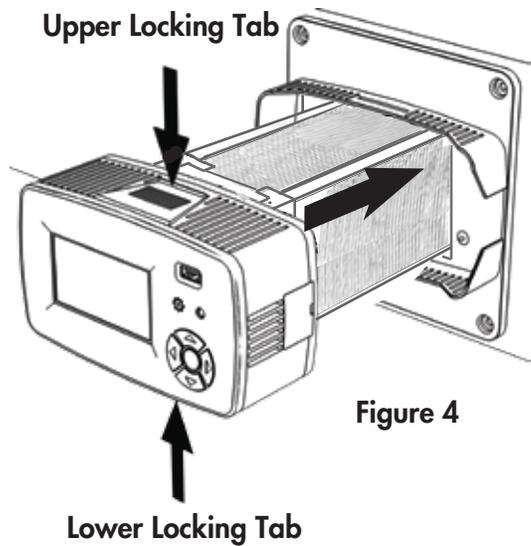


Figure 4

ELECTRICAL CONNECTION

NOTE: CONSTANT POWER IS RECOMMENDED

Step 5a) – For 120 Volt - Install power cord in unit & connect to 120 volt Power. Check that the blue UVC LED light monitor on the front of the unit is illuminated. This indicates that the internal UVC lamp is operating properly. (Figure 5a)

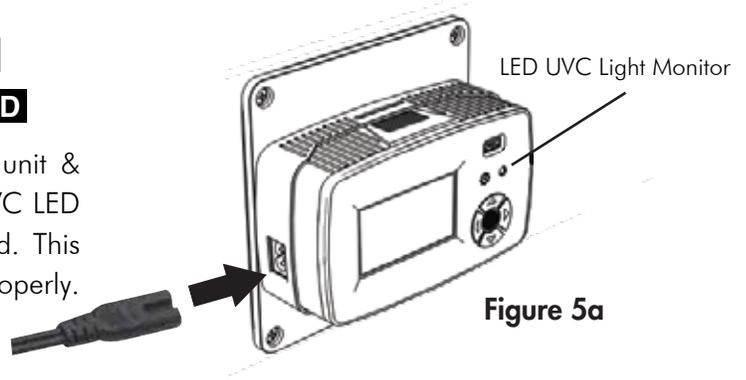


Figure 5a

Step 5b) For 24 VAC - 24 volt power can be used **up to 18 watts**. **For 36 watt models 120 volt is required** DO NOT connect the unit to the equipment low voltage transformer. A supplementary 40VA transformer is required. DO NOT power the transformer until the entire UVC lamp system is installed & connected. Cut the 120Volt plug off the power cord & prepare the wires for connection to the supplementary transformer. (Figures 5b) The wires are not polarity dependent. The amperage draw for 10 & 18W models is 1.5A.

Cut Plug



Prepare Wires



Connect to 40VA transformer



Figures 5b

NOTE: DO NOT POWER TRANSFORMER UNTIL ALL CONNECTIONS ARE COMPLETE

TANDEM INSTALLATION - 120 Volt ONLY

Step 6a) – Remove tandem access door on right side of unit module. (Figure 6a) Units can be connected in tandem with the power cord provided. No extra cords are needed. Up to 4 units can be connected in tandem.

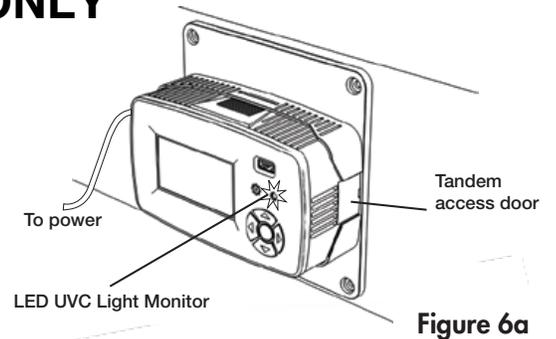


Figure 6a

Step 6b) - Connect the tandem units in series linking with the unit that will be connected to the main power source. Once the tandem units are connected, connect the main unit to power. Be sure all the blue UVC LED monitor lights on each unit are lit. This will indicate that all internal UVC lamps are operating properly.

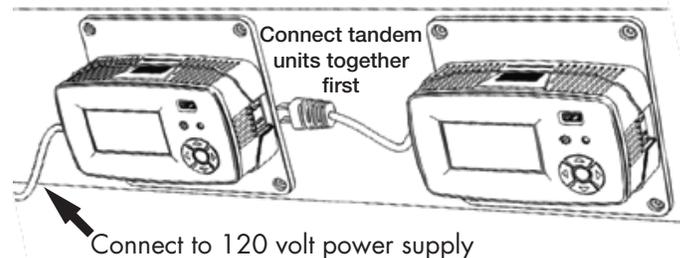


Figure 6

Programming

For LCD versions only

P1 - The LCD

There are 3 rotating screens:

1. Respicaire logo
2. Number of days remaining before service
3. Dealer/contractor contact information screen

The third screen can be custom programmed with dealer's business contact information.

P2 - Insert Memory Stick

To program the dealer / contractor screen, insert the Memory Stick (provided) into USB port. This will automatically take you to the dealer/contractor screen for programming your contact information.

Press the center button on the "joystick" once to activate the square editing icon. (Figure P1)

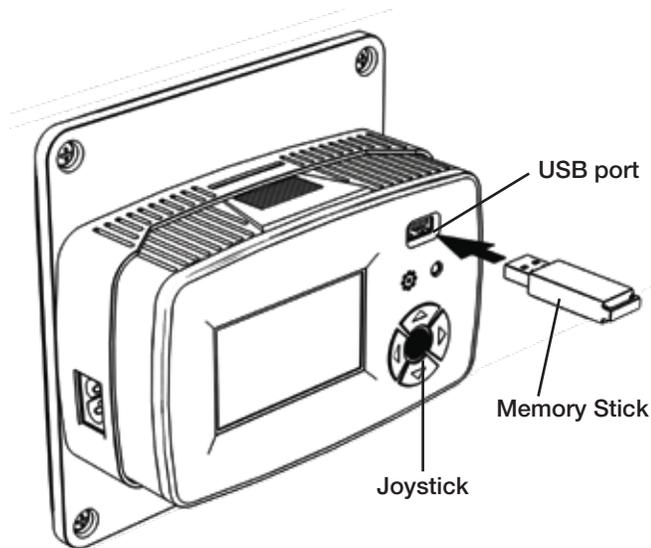


Figure P1

P3 - Character screen

The editing icon appears as a solid black box on the screen. (Figure P2)



Figure P2

This icon indicates where the character you choose will go. The directional controls on the joystick allow you to move the icon on the screen to the position you desire. (Figure P3)

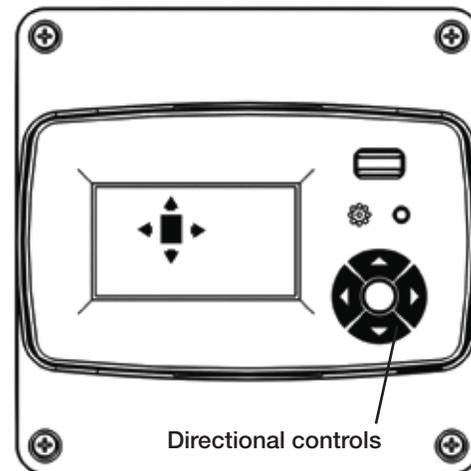


Figure P3

To access the alphabet & numerical characters for programming, press the center button on the "joystick" a second time. This will bring up the alphanumeric character screen.

You can use the directional controls to select the character you need. If you do not want a character where the icon is then choose the blank space (located below the letter "R") from the alphanumeric character screen (Figure P4)

A	B	C	D	E	F	G	H	I	J
K	L	M	N	O	P	Q	R	S	T
U	V	W	X	Y	Z	-		&	#
0	1	2	3	4	5	6	7	8	9

Figure P4

P4 - Editing text

When you land on the character you need, depress the center button on the "joystick" once and it will load that character into memory.

There are 4 lines allowed for information with a maximum of 16 characters per line.

P5 - Saving your information

Once you have programmed the service notification screen to your liking, simply remove the memory stick. The information will be locked.

The memory stick retains the information and can be used to program the LCD screen of any 6RDP(L) models on your next install. Simply power up and insert the programmed memory stick into the USB port. It will automatically upload and save the data to the new UV module's memory.

P6 - Reset notification timer

Depress the center button and left button together for 5 seconds to reset the notification timer (Figure P6)

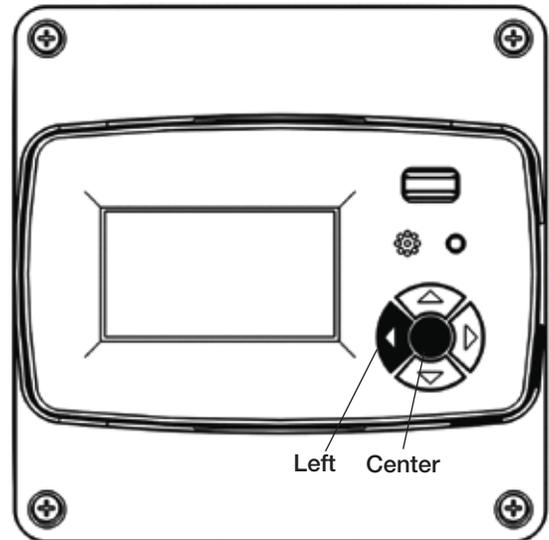


Figure P6

Warranty Information

The RESPICAIRE limited warranty covers any defect in materials or workmanship for a period of five years in residential applications. The warranty period commences on the purchase date of the product. The warranty does not cover any damage from misuse, neglect or abuse. To make a warranty claim contact the original installing contractor or Respicare directly with a copy of an original sales receipt or other evidence of the date of purchase. Respicare is a trademark of the TFI Company Inc. The limited warranty for all commercial applications is one year.

Note: In some areas air cleaners and Ultra Violet purifiers are covered by medical insurance and may be tax deductible if prescribed by a Physician. This will vary according to local legislation. The following information is usually required.

Physician's Name: _____

Physician's Authorization: _____

Prescription: _____

Patient Name: _____

Address: _____

City: _____ State/Province: _____

Zip /Postal Code: _____