

Volume

1

QUEENAIRE TECHNOLOGIES, INC.

“The Ozone Specialists”

Owners Manual
QT Thunder 24-II

Operating QT Thunder 24 - II

Following are basic instructions for programming your unit to eliminate odors in an area up to 10,000 cubic feet when the treated area is unoccupied.

This unit features a programmable timer with up to 6 On/Off setting pairs (12 automatic switch settings). Each setting time can be once a week, every day, every weekday, or only on weekends. The timed settings combined with a fixed ozone output of 300 mg/hr, allows the user the ability to effectively deodorize a given area up to 10,000 cu/ft on a scheduled basis when the area is vacant. A manual override option gives you ozone on demand for a quick clean up.

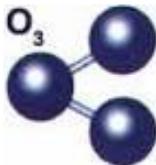
Determine your Programmed Settings

The time needed to effectively eliminate odors in a given area depends greatly on the size of the room, the level of odor in the room, temperature and humidity. Our recommendation is that you run the unit for 30 minutes for every 2400 cu/ft of space being treated. You should adjust the unit for shorter run times if you detect an ozone odor after the unit has been off for a time equal to the time it was in operation. If the odor is still present after the unit has ran you should adjust the unit to run for longer periods. After the first week of treatment you may have to adjust the unit to shorter run times as the odor factor should be significantly lower. In the summer months, you may have to adjust the unit to run for longer intervals, as the humidity levels will decrease ozone output. You should always allow ample time for ozone levels to dissipate before occupying a treated area. Usually an amount of time equal to the time the unit was in operation is sufficient. If you need help in determining your programmed settings, please contact Customer Service at 1-866-67 OZONE.

While smell is not an accurate guide to ozone levels, in levels above .03 ppm ozone has a very strong unpleasant odor. If you are experiencing a strong odor, headache, dry nose and/or dry throat, you should adjust the run time for shorter periods or allow a longer period of time before occupying the area to allow the levels to dissipate.

How Does QT Thunder 24 - II Eliminate Odors?

All Queenaire Technologies, Inc. units eliminate odors by producing a controlled level of ozone. Ozone is created naturally in our environment by lightning and the sun's ultraviolet rays. It is best known for its benefit in the stratosphere for protecting us from the sun's rays. What you may not know is that it is also that fresh smell you experience after a lightning storm. Ozone is Mother Nature's solution to outdoor odor problems. QT Thunder-24 incorporates a technology that duplicates the effect of lightning and creates ozone indoors.



The end result is the same, a fresh, odor free environment !

Programming the Timer

First, using a small pointed object push the reset button to clear all settings. The reset button is just above the “MIN” dark gray button.

RESET BUTTON



Setting the Clock:

- Press and hold the CLOCK BUTTON.
- Press the DAY KEY until the correct day is displayed.
- Do the same with the HOUR AND MIN. Now you have the clock set!

Setting the Timer:

There are 15 DAILY PROGRAM SETTING BUILT INTO THE TIMER. Press the “day” key to scroll through these settings.

1. MO TU WE TH FR SA SU
2. MO
3. TU
4. WE
5. TH
6. FR
7. SA
8. SU
9. MO TU WE TH FR
10. SA SU
11. MO TU WE TH FR SA
12. MO TU WE
13. TH FR SA
14. MO WE FR
15. TU TH SA



DAY KEY

These can be used to simplify programming. All times must be the same for the days chosen! Let’s say you want to open a gate Monday through Friday at the same time. Scroll down to #9 and you’ve got the days set!

If you want the timer to turn on and off on days selected from the 15 different programs, press the “day” key and select one of the 15 programs. Press the “timer” key and the display will show “1 on” set the time you want the unit to turn on by pressing the “hour” and “min” buttons respectively. To set the turn off time, press the “timer” key again and “1 off” will show in the display. Again, set the “hour” and “min” time . If you want more than 1 on/off per day, press the timer key again and set “2 on”, “2 off” until you reach the maximum of 8 on/off’s per day.

If you only want 1 on/off per day or if you have more on/off’s per day, when you are done programming them in, press the “clock” key again and you are almost done. The timer is now set, but you need to push the manual button until the line is under “auto” If you want to check what you have programmed in, press the “timer” button and it will display the settings you have programmed. If you wish to change any or all on/off times, you must “reset” the timer. You cannot change just one setting.

QT Thunder 24 - II Maintenance Instructions

The life expectancy of your QT Thunder 24 -II unit is 10 – 15 years, provided it is serviced and maintained on a regular basis. It is recommended that you perform a simple cleaning and maintenance of your unit every 6 months. Maintenance kits are available through your distributor.

Before you begin performing any work to your ozone unit, be sure to unplug the electrical cord.

Step 1.) Remove two screws on the top of the unit as well as the top two screws on each side of the unit. Remove the top cover from the unit.

Step 2.) Carefully remove the white ceramic generator plate from its frame. The plate should lift easily by pulling from the top straight up and out of the frame. Use an alcohol wipe to gently wipe the plate free of any dirt or stains. Inspect the plate carefully for cracks, breaks or

irremovable stains. The plate can be reused provided there are no breaks or stains.

Step 3.) Use the same alcohol wipe to wipe out the exposed areas inside the unit. Spread the generator frame apart to wipe the inside of the metal plates that make contact with the generator plate. Be sure to also wipe the base of the frame completely.

Step 4.) Once the ceramic plate is completely dry, reinsert the plate into the generator frame or replace the existing plate.

Step 5.) Reattach the top cover to the unit and put screws back in place.

Step 6.) Remove and discard the green filter on the back of the machine and replace with new filter.

Step 7.) You may at this point have to change your 200mA fuse. To test your fuse, simply turn the unit on. If the green ozone light comes on you have completed maintenance of the unit and are ready to put it back in service. If the light does not come on, locate the 200mA fuse holder on the back of the unit and remove the holder with a flat head screwdriver by turning the holder ¼ turn. Remove the blown fuse and replace the fuse. Your unit should now be ready to go back to work.

If you are having problems with your ozone machine please refer to the following instructions:



- 1.** The fan comes on, but the green light does not. Remove the top cabinet from the unit and check the condition of the ceramic plate. Replace if broken. Replace top cabinet. Remove and replace the .200 milliamp fuse in the back of the unit. If the green indicator light is still out contact your distributor.
- 2.** When you turn the unit on nothing happens. First check your power source to ensure there is power to the outlet. Plug the unit in. Check the fuse marked 2 amp on the back of the unit. Replace with spare if blown. If the unit still does not operate contact your distributor.
- 3.** There is no display on the face of the timer. The Lithium battery should operate your timer for 3 years or more under typical conditions. High or low temperature or frequent use of the manual pushbutton will reduce the battery life. Replace the battery when the digital display is dim or if the timer fails to operate. The timer has built-in memory protection providing at least 15 seconds to change a week battery without losing your settings.
- 4.** If for any reason you are not happy with the performance of this unit contact customer service.

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