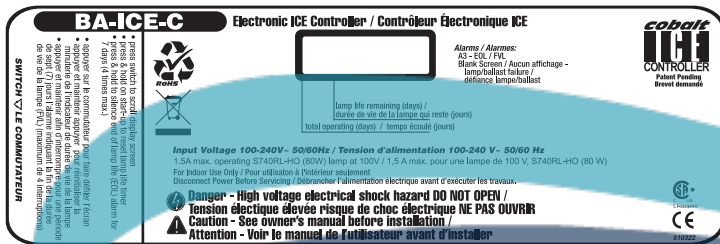


Operation:

Basic Systems incorporating BA-ICE-C controller:



365

1. Lamp life remaining (days):

The controller tracks the number of days of operation of the lamp and the controller. The default screen will display the total lamp life remaining (in days). The controller will count down the number of days remaining until the lamp requires changing (365 days to 1 day). At "0" days, the controller will display and supply an intermittent audible chirp (1 second on, 5 seconds off), indicating the need to change the lamp.

DEFERRAL - Once the "A3" or end of lamp life message is shown on the LED screen, the audible alarm can be deferred up to 4 separate times. The delay switch is designed to allow you time to address the alarm while you obtain a new UV lamp. This can be done by simply depressing the push-button "RESET" switch, which is located on the left side of the controller. Each time the reset switch is pressed the controller alarm is deferred seven days. Once the final 7 day deferral has been reached the alarm can only be silenced by changing the UV lamp and manually resetting the controller timer. To do this please follow the step by step instructions below:

RESETTING LAMP LIFE:

1. disconnect power supply from controller
2. remove expired lamp from the reactor chamber (refer to www.lamprecycle.org for lamp disposal)
3. install new UV lamp and connect it to lamp connector (refer to page 7)
4. replace lamp connector
5. hold down the "RESET" switch while reapplying power to the controller until you see "rSEt" then release
6. 5 second delay will occur until you hear an audible tone & LED display will read once again

Once you hear the tone, let go of the switch and the counter will be reset. Even though the alarm on the system can be deferred for a period of time, it is important to address each and every alarm condition as they are indicating that there is a potential problem with the system and should be remedied.

1680

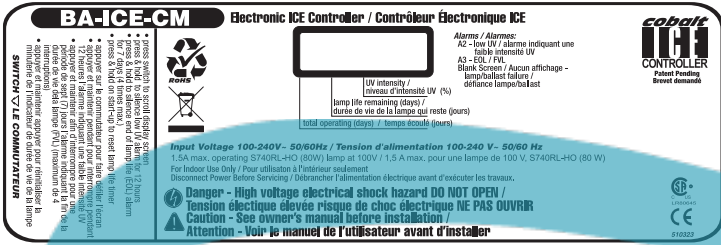
2. Total days of operation:

The controller also displays the total running time of the controller. To obtain this reading, press the push-button SWITCH once. The total running time of the controller will be numerically displayed in days. This information will remain displayed for ten seconds and will then revert back to the lamp life remaining default screen. It should be noted that this value cannot be reset.

3. Lamp failure (blank screen):



When the system recognizes LAMP FAILURE (no current running through the lamp), the 4-segment display will be blank (no default LAMP LIFE REMAINING screen) and the system will supply an intermittent audible tone (1 second on, 1 second off). The system will remain in this state, until this condition is remedied.

"Plus" Systems incorporating BA-ICE-CM controller:



99

1. UV intensity (%):

The Cobalt "Plus" series of products incorporate a UV sensor which detects the discrete 254 nm wavelength of the UV lamp. This information is relayed to the Cobalt "Plus" controller and is the default display shown in "% UV output." The system will display the UV output between 50 to 99 percent. When the system drops below 50%, a low UV warning is displayed as  and alternately flashes (at 2 second intervals) back to the actual UV level. Eg.  Additionally, the system will supply an intermittent audible tone (2 seconds on, 2 seconds off), during low UV conditions.

Note: UV levels of ...

 to 

Indicates the system is functioning within normal a normal operating range.

 to 

Indicates the UV level is still within a safe level, however cleaning or lamp replacement may soon be required.

 to 

Indicates the UV level is nearing the point of unsafe UV intensity, UV system should be immediately serviced.

< 

Indicates the UV level has now reached a level that is unsafe. At this level the water should not be consumed. The system/water supply should be examined to determine the reason for the low UV level of the UV intensity. At this level, the solenoid output has been activated and if a solenoid is installed, water will cease to flow.

DEFERRAL - To temporarily defer the audible alarm during a low UV alarm, press the push-button "RESET" switch and hold for five seconds. This will mute the audible alarm condition for 12 hours.



This advanced warning system has been installed to provide you with the optimum protection against microbiological contamination in your water.

DO NOT DISREGARD THE WARNING SIGNALS.

The best way to ensure optimum UV performance is to have the water microbiologically tested by a recognized testing agency on a regular basis.