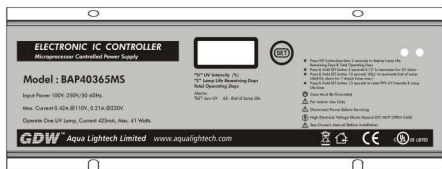


Electronic IC Controllers Model : BAP40365MS - BAP100365MS



- 4-segment visual display indicating UV- irradiation intensity relative in %, Lamp Life Remaining Days, Total Running Days of Ballasts Controller.
- Default Screen Display : UV Intensity in % (99 countdown)
- Press "setting" button (less than 2 seconds) to switch display from "UV Intensity" to "Lamp Life Remaining Days (365 days to 1 day)", Press again to display "Total Running Days of Controller" then Press again back to UV Intensity or after 10 seconds, the screen will return default display.
- 2-Stage Lamp Power, lower power consumption reduced operational cost and ultimately less heat transfer into the water.

UV Intensity (%)



to



Indicates the system is functioning within a normal operating range.



to



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



to



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

1) Low UV below 50%



2) Alarm: Red LED Flashing, Buzzer 2 seconds ON, 2 seconds OFF. Screen display as and alternately flashes (at 2 second intervals) back to the actual UV level

3) Deferred Alarm : To temporarily to defer the audible alarm and re-activated solenoid valve (if installed), Press and Hold On "setting" Button 5 seconds till screen display then release button but Red Light still Flashing , but Red LED still Flashing

Lamp Life Remaining Days (365 days to 1 day)



1) End of Lamp Life : At "0" day, screen will display



i. Alarm: Red LED Flashing, Buzzer 1 second ON, 5 seconds OFF

- ii. Deferred Alarm up to 4 times: Press and Hold On "setting" Button 10 seconds till screen display **88:88** then release Button will display **88:88** days and none audible chirp but Red LED still Flashing
- iii. Must replace a new lamp to manually resetting Lamp Life Valid Days (365 days) of controller for system to terminate alarm after the final "7" days

2)Change Lamp instructions

- i. Disconnect Power Supply
- ii. Remove expired (or failure) lamp then Install new lamp
- iii. Press and Hold On "setting" button 15 seconds, screen display **88:88** , after 2 seconds, you can read **88:88** again from screen and hear an audible tone, then release "setting" button. Meanwhile, the Lamp Life Days reset to be 365 as well.

3)Lamp Failure : Screen display valid days freeze, Red LED Flashing, Buzzer 1 second ON, 1 second OFF. The system will remain in this state until change new lamp.

DRY CONTACTS

The Dry Contacts are typically used to operate solenoid valve. When lamp UV output drops to 49% UV intensity or below, the dry contact relay will be activated to operate solenoid valve, horn, buzzer or remote light. (NOTE: Any remote piece of equipment hooked up to the dry contacts must obtain their power from another source)

These dry contacts can be wired for a normally open (NO) or normally closed (NC) operation. The dry contacts will remain either closed (NC) or open (NO) until UV lamp in normal operation.

Example: solenoid valve(normal closed) can be wired (NO), the valve will be closed when lamp fails.

