

The time adjustment potentiometers rotate about 300 Degrees total, a little bit less than one complete turn. **WARNING, DO NOT** use excessive force to turn the potentiometers, roll a small screwdriver between your thumb and forefinger to adjust. It requires minimal force to rotate the pots. If you use excessive force, you can damage the pot by rotating it past the stop point at either end, and the timer will no longer be adjustable. Damage to the pots will **NOT** be covered by the timer warranty. When the unit is shipped the potentiometers are centered and the potentiometers will rotate less than a half turn in each direction. Rotate the Pots to the right or clockwise to increase time interval and left or counterclockwise to decrease the time interval.

Initial adjustability will be ON time of 2 minutes to 6 minutes, OFF time of 2 minutes to 30 minutes, and Auto shutoff of 2 hours to 12 hours. With the potentiometers centered, the time is set to approximately 4 minutes on time, 16 minutes off time and 7 hour auto shutoff time.

When you apply power to the timer by using the external manual switch, the unit will do a tank fill cycle for 5 minutes, which should be sufficient to fill any livewell tank. After the initial Tank fill, the unit will do an OFF Cycle, then Alternate between ON Cycle and OFF Cycle for the adjusted time per each potentiometer. The times can be changed at any time and the unit will act accordingly. AUTO Shutoff occurs when a low battery is sensed at the power terminal or from a specified time period when the battery is not charging. ( Auto-shutoff potentiometer setting ) Auto-Shut Off Time can be disabled if you rotate the pot all the way to the left or counter clockwise.

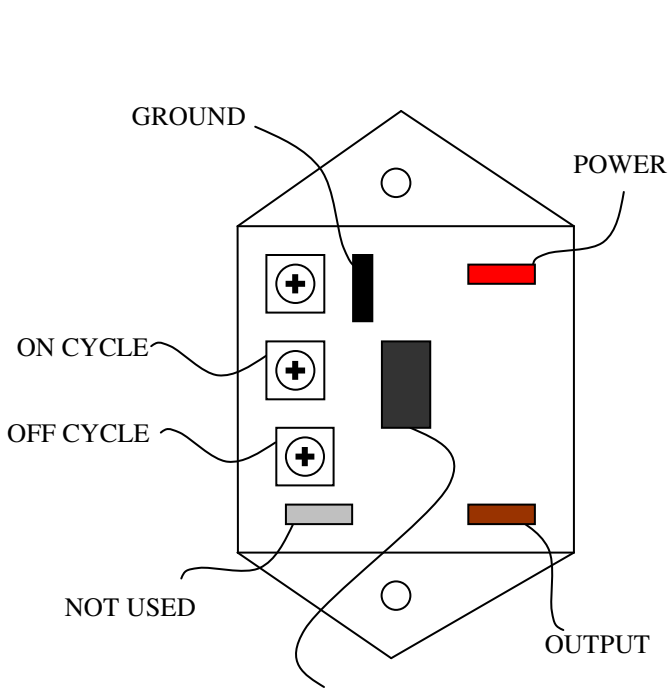
If you run your adjustable livewell timer for a period of 2.5 hours without charging the battery, your timer will go into battery saving mode and set the time cycles to 3.5 minutes ON and 12 minutes off. If you remove power to the timer by using a manual switch, and then re-apply power to the timer, the time settings will go back to the originally adjusted time. For instance: If you have your automatic livewell timer set to 5 minutes ON and 10 minutes OFF, and you run the timer for 2.5 hours without starting the motor, the timer goes into battery saving mode and changes to 3.5 minutes ON and 12 minutes OFF. If you remove power and then re-apply it, the times go back to 5 minutes ON and 10 minutes OFF. Likewise if you start the engine so the battery is charging, the time will go back to 5 minutes ON and 10 minutes OFF. **DO NOT** think there is something wrong with the timer, and start adjusting the pots again.

LOW Battery Charge measurements are taken in the background while the unit is run, and this feature can not be turned off. If the unit turns off because of LOW Battery Charge, It will do five cycles of ON for 5 seconds, then OFF for 5 seconds, and it will lock out in the OFF position, and no more ON Cycles will occur. To reset the device, remove power by turning off the manual power switch, and turn it back on. If the battery charge is still LOW, it will do five cycles of ON for 5 seconds and OFF for 5 seconds and it will lock out again in the OFF condition **AGAIN**. Its time to charge your battery (start boat engine), connect it to a battery charger, or buy a new battery if it is more than 5 years old.

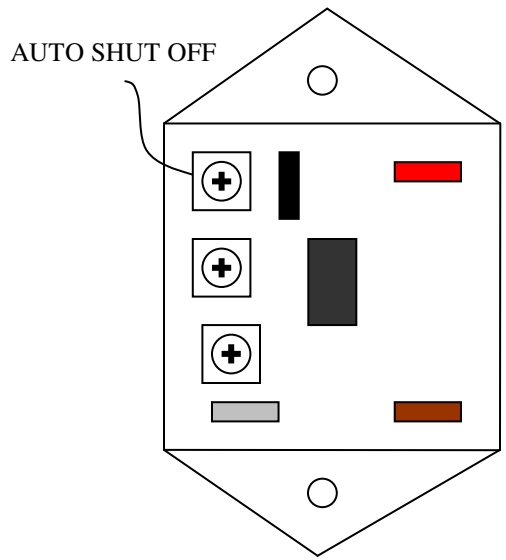
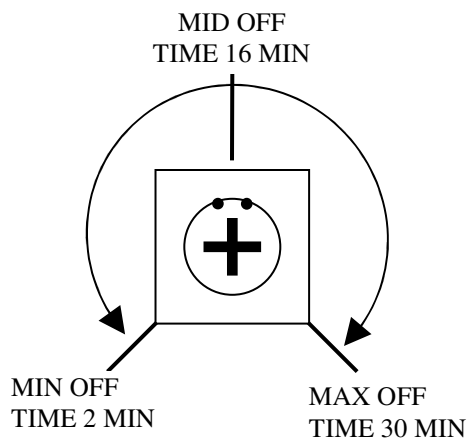
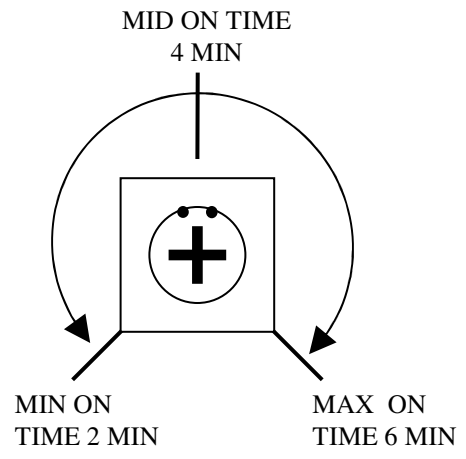
Automatic Shut Off Time is different from Low Battery Charge Measure. Shut off time is used to automatically turn the timer off in case you forget and leave the livewell on. This is the time since last battery charge (when motor was running).

the auto shut off feature will turn off after the time you have set according to the potentiometer setting. I would recommend using a 4 hour setting minimum. Keep in mind if you fish stationary using a bobber, jigging, or using a trolling motor, This time is usually long enough to prevent the timer from locking out during this time. The Auto shut off time starts over if you start your boat engine runs for a while or you connect a charger to your battery. If you wish to keep your bait or fish in the livewell overnight, the auto shut off time can be Disabled. In this case, the timer measures your battery, and will continue to run overnight, and will turn itself off before the battery goes low, and it will allow you to still start you boat again in the morning.

**WARNING:** Both the Low Battery Charge and the auto shut off time feature will not prevent a dead battery if you leave some other electronic equipment on like the radio, fish finder, or lights, because it has no way to turn off these other devices. If you leave the timer on overnight, you should run the boat engine for 15 minutes or longer or connect a charger in order to replenish the battery.



LEAVE THIS CONNECTOR COVER ON OR DAMAGE TO THE TIMER IS POSSIBLE



MINIMUM AUTOSHUT OFF 2 HOURS

