Aqua Signal Remote Control System

The Aqua Signal Remote Control system is designed to work with lights that draw less than 5-10 amps from a distance of 50 yards. Anyone who has boarded or de-boarded a boat at night will recognize the importance of being able to remotely turn on or off boat lights. The receiver works with Aqua Signal or other lights, which will make boarding and de-boarding in the dark a thing of the past. Each remote control system is unique and will not work with other systems. In the event of a lost transmitter (fob), the replacement fob can be programmed to work with the installed receiver.

The system is composed of two units, a transmitter (fob) and a receiver.

The receiver is mounted in the boat, and the floatable remote transmitter (fob) is carried with the operator. The receiver operates on 12 volt DC systems. The receiver is capable of switching 10 amps and has a standard automotive in line 10-amp fuse for protection. The receiver can be used with up to four transmitters.

The fob is watertight and floats. It has two buttons which control two different functions. The smaller button is an on/off button, and is marked with the universal on/off symbol. Press this button and the light or lights attached to the remote are turned either on or off. The larger button is marked with the universal symbol for a timer. This is a two-minute timer and is not adjustable. Press this button and the light or lights attached to the receiver will turn on for two minutes and then automatically turn off. In the event that the timer is activated and you wish to turn off the light before the two minutes has elapsed, push the on/off button. In the event the fob is lost or misplaced, additional fobs are available and can be programmed by the consumer to work with the existing receiver.

INSTALLATION
Mount the receiver in a covered area and preferably close to the 12-volt power supply. Mount it with the open areas pointing down so that water cannot enter the receiver. The unit mounts with four screws, which are not provided, as mounting areas vary. Do not mount it next to electric motors or appliances. The red wire with the in line fuse is connected to the positive (+) side of the power supply. The black wire is connected to the negative (-) side of the power supply.

The two yellow wires are connected to the two separate light terminals.

NOTE
1. The remote control system (receiver and transmitter (fob) is programmed before shipping and requires no additional programming.
2. The receiver can be used with up to four transmitters.
3. If you lose the transmitter or obtain additional remote units, please follow the Instructions below to program the new transmitter/transmitters.

PROGRAMMING A NEW REMOTE CONTROL TRANSMITTER
1. With the power turned on, unplug the jumper from the receiver. The jumper is located on the printed circuit board and can be accessed through the open area on the side of the receiver. To unplug the jumper, pull it straight out. It may be necessary to use a long nose pliers to grasp and remove it.
2. Turn the receiver power off for a minimum of 5 seconds and then turn the power back on.
   At this time the light/ights connected to the receiver will only be on for 5 to 6 seconds before they go off. The remote control must start to be programmed while the light/ights are on.
3. Press one of the buttons on the remote control once;
   it can be either the timer button or the on/off button. The light/ights will flash twice.
4. Press one of the buttons on the remote control for the second time,
   it can be either the timer button or the on/off button. The light/ights will flash three times.
5. Press one of the buttons on the remote control for the third time,
   it can be either the timer button or the on/off button. The light/ights will flash four times.
6. Press one of the buttons on the remote control for the fourth time,
   it can be either the timer button or the on/off button. The light/ights will go off.
7. The new remote unit is now programmed to work with the receiver.
8. Replace the jumper that you removed in step one.
9. The unit is now ready for operation.
PROGRAMING AN EXTRA REMOTE TRANSMITTER
This instruction is if you wish to use two remotes to control the same receiver. To do this, you must RE-PROGRAM the original remote along with the extra unit.

1. With power turned on, unplug the jumper from the receiver. The jumper is located on the printed circuit board and can be accessed through the open area on the side of the receiver. To unplug the jumper, pull it straight out. It may be necessary to use a long nose pliers to grasp and remove it.

2. Turn the receiver power off for a minimum of 5 seconds and then turn the power back on. At this time the light/lights connected to the receiver will only be on for 5 to 6 seconds before they go off. The remote controls must start to be programmed while the light/lights are on. Please note that it does not matter which remote is programmed first.

3. Press one of the buttons on either the original or the extra remote control once; it can be either the timer button or the on/off button. The light/lights will flash twice.

4. Press one of the buttons on either the original or the extra remote control for the second time. The light/lights will flash three times.

5. Press one of the buttons on either the original or the extra remote control for the third time, it can be either the timer button or the on/off button. The light/lights will flash four times.

6. Press one of the buttons on either the original or the extra remote control for the fourth time, it can be either the timer button or the on/off button. The light/lights will go off. Please note that you will have to press one of the buttons on both the original and the new remote at least once to make both of them functional for the same receiver while programming from step 3 to step 5

7. The new and the original remote unit are now programmed to work with the receiver.

8. Replace the jumper that you removed in step one.

9. The unit is now ready for operation.

PROGRAMING EXTRA REMOTE TRANSMITTERS
This instruction is if you wish to use three or four remotes to control the same receiver. To do this, you must RE-PROGRAM the original remote along with the extra units.

1. Repeat steps one through 9 above.

2. Please note that you will have to press one of the buttons on both the original and the new remotes at least once to make all of them functional for the same receiver while programming from step 3 to step 5

Aqua Signal part numbers:
Remote control system, part number 17100
Transmitter (Fob), part number 17110

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