Aqua Logic®

and

PRO LOGIC™

Base Station

Installation and Operation Manual

for model

AQL2-BASE-RF

GOLDLINE
CONTROLS
A HAYWARD COMPANY

www.goldlinecontrols.com

Compatibility

This product is compatible with all Pro Logic controls and with Aqua Logic controls operating software revision r2.60 or higher. To verify the software level of your Aqua Logic control: Press the Menu button (possibly multiple times) until "Diagnostic Menu" is displayed. Next, press the ">" or "<" keys (possibly multiple times) until the main and display software revision levels are displayed (the "main" rev should be r1.10 or higher).

If the software revision level is less than r2.60 contact the Goldline Technical Service Dept. from Monday through Friday, 8AM to 8PM Eastern at 908-355-7995 for information on upgrades.

This Base Station can communicate with the spaside remote (AQL2-SS-RF), the wireless wall mount and tabletop remote display/keypads (AQL2-Wx-RF-PS-x, AQL2-Tx-RF-PS-x, AQL2-Tx-RF-P-4-x) and the Aqua Pod handheld remote control (AQL2-POD).

INSTALLATION

Installation is very easy and should just take a few minutes. For most installations the Base Station will mount directly on the ProLogic or Aqua Logic main control unit (see description and diagram below). For some installations where the remote devices are a long distance from the Base Station or where there are interfering walls (eg. A steel shed in the yard or a steel reinforcing grid inside a stucco wall on the house), the Base Station may have to mounted remotely from the control unit in order to achieve reliable communications. Refer to the instructions and diagram on page 3 for more information regarding remote mounting.

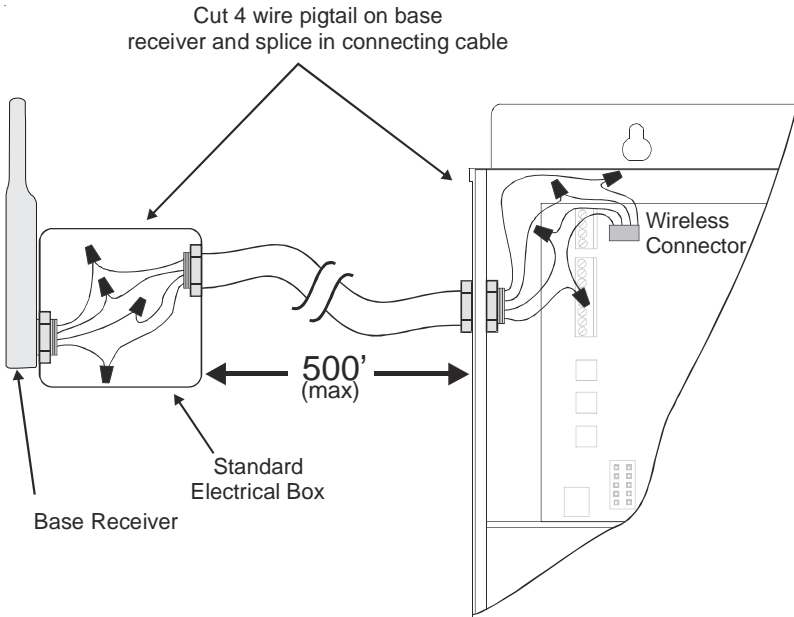## Direct Mounting on Pro Logic or Aqua Logic Control Unit

Disconnect power and then remove the panel from the Pro Logic or Aqua Logic control unit. Remove the knock-out on the upper left side of the enclosure and mount the RF Base Station. Secure the Base Station in place by firmly tightening the nut from inside of the enclosure. Lastly, plug the pigtail cable into the connector labeled "Wireless Connector" on thePro Logic/ Aqua Logic main circuit board.

Connector for
Base Station

Base Station
(AQL2-BASE-RF)

Main PCB

Tighten nut
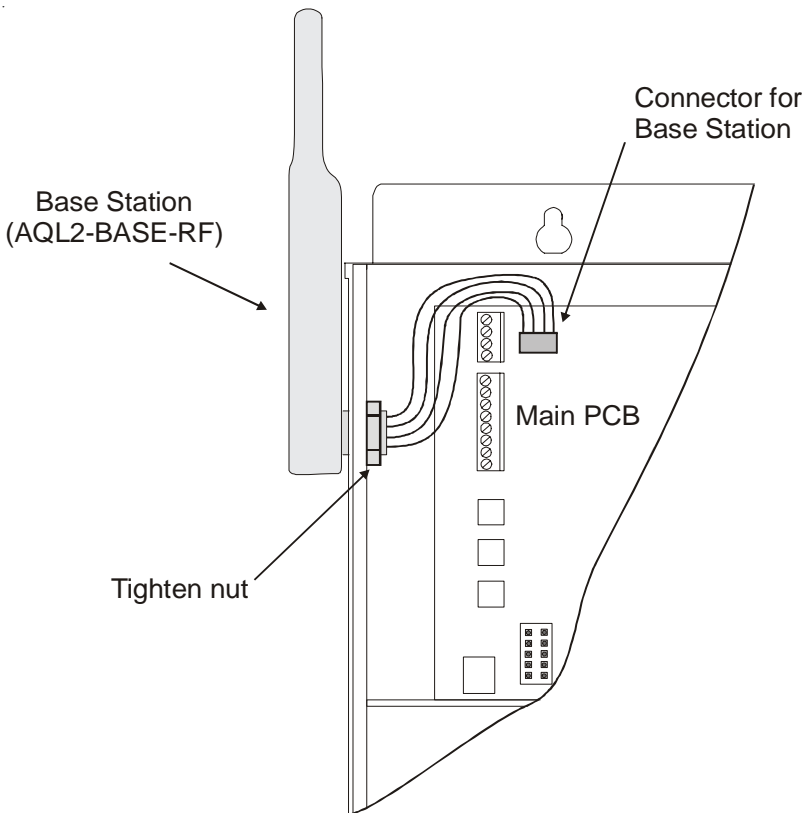
Remote Mounting of the Base Station

The Base Station can be mounted up to 500 feet away from the Pro Logic or Aqua Logic control unit. This feature is helpful if the main control unit is located a long distance from the pool area or if there are buildings that may interfere with the radio communication between the Base Station and the remote devices.

1. Mount the Base Station on an standard, outdoor rated electrical box.

2. Cut the each of the 4 wires in the Base Station "pigtail" cable and then install the connector half into the "Wireless Connector" on the main printed circuit board (PCB) in the Pro Logic/Aqua Logic control unit.

3. Use a 4 conductor cable and splice both ends of the cable making sure that the colors match up correctly.

Cut 4 wire pigtail on base
receiver and splice in connecting cable

Wireless
Connector

500'
(max)

Standard
Electrical Box

Base Receiver

OPERATION

Every Base Station is manufactured with a unique ID code. This allows private, secure communication with all of your remote devices while ignoring any signals transmitted by other wireless devices including any other Pro Logic/Aqua Logic controls in the neighborhood.

IMPORTANT: Before trying to use any remote device: You must "teach" the correct ID code to the remote device so it knows which Base Station to communicate with. Refer to the Pro Logic/Aqua Logic Operation Manual or the manual for your remote device for "teaching" instructions .

The Base Station and remote devices are programmed with a sophisticated protocol that automatically switches frequencies if other devices are interfering. In the unlikely event that it can not find a usable frequency, it may be necessary to change channels. Refer to the Pro Logic/Aqua Logic Operation Manual for instructions.

TROUBLESHOOTING

.1.   **Can't find the "Teach Wireless" display:** Press the "menu" button (possibly more than once) until "Settings Menu" is displayed. Next, press the "<" or ">" buttons (possibly more than once) until "Teach Wireless" display appears. If you go through all of the displays without ever seeing the "Teach Wireless" and you get to the point where "Settings Menu" appears again, then this means that the Pro Logic/Aqua Logic control unit is not communicating with the Base Station. Check that the 4 wire cable from the Base Station is plugged into the "wireless connector" on the main printed circuit board (refer to the Installation section for connection diagram). If this connector is already plugged in (for more than 30 seconds), then call Goldline Technical Service for assistance.

2.   **"Teach Wireless" failed:** Ensure that the remote is powered when pressing the button. This is indicated by a single flash on the LED on the spa-side remote or a message on the display of the in-house remotes. If the remote is powered, then the next most likely cause is that the distance between the Base Station and the remote is too great—try moving the remote closer to the station. Lastly, there may be other equipment in the neighborhood that is using the same frequency. To see if this is the case, go to the Settings Menu/Wireless Channel and select another channel. Note that after you change the channel you will have to "re-teach" every wireless remote device in the system.

3.   **Unreliable communication with remote devices:** The most likely cause is that the distance between the Base Station and the remote is too great—try moving the remote closer to the station. Lastly, there may be other equipment in the neighborhood that is using the same frequency. To see if this is the case, go to the Settings Menu/Wireless Channel and select another channel. Note that after you change the channel you will have to "re-teach" every wireless remote device in the system.

4.   **No communication with remote controls:** Try the "Teach Wireless" procedure to ensure that the remote knows the ID code of the Base Station and also what channel to communicate on. If this procedure is not successful, then refer to the "Teach Wireless" failed section above.

LIMITED WARRANTY (effective 01/01/09) Goldline warrants its Aqua Rite, Aqua Rite Pro, Aqua Logic, Pro Logic and E-Command products to be free of defects in materials and workmanship, under normal use and service for a period of three (3) years. This warranty is applicable from the initial date of installation on private residential swimming pools in the US and Canada. The warranty is not transferable and applies to the original owner only.

Aqua Trol, commercial installations, installations outside of the US and Canada, accessory products and replacement parts are covered under the terms of the warranty for a period of one (1) year.

Proof of purchase is required for warranty service. If written proof of purchase is not provided, the manufacturing date code will be the sole determinant of the date of installation of the product.

To obtain warranty service or repair, please contact the place of purchase or the nearest Goldline authorized warranty service center. For more information on authorized service centers please contact the Hayward/Goldline Technical Service Support Center (61 Whitecap Road, North Kingstown RI, 02852) or visit the Goldline web site, www.goldlinecontrols.com.

WARRANTY EXCLUSIONS:
1. Material supplied or workmanship performed by others in process of installation.

2. Damage resulting from improper installation including installation on pools larger than the product rating.

3. Problems resulting from failure to install, operate or maintain the product(s) in accordance with the recommendations contained in the owners manual(s).

4. Problems resulting from failure to maintain pool water chemistry in accordance with the recommendations in the owners manual(s).

5. Problems resulting from tampering, accident, abuse, negligence, unauthorized repairs or alternations, fire, flood, lightning, freezing, external water, degradation of natural stone used in or immediately adjacent to a pool or spa, war or acts of God.

DISCLAIMER. THE EXPRESS LIMITED WARRANTY ABOVE CONSTITUTES THE ENTIRE WARRANTY OF GOLDLINE WITH RESPECT TO ITS POOL AUTOMATION AND CHLORINATION PRODUCTS AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.   IN NO EVENT SHALL GOLDLINE BE RESPONSIBLE FOR ANY CONSEQUENTIAL, SPECIAL OR INCIDENTAL DAMAGES OF ANY NATURE WHATSOEVER, INCLUDING, BUT NOT LIMITED TO, PERSONAL INJURY, PROPERTY DAMAGE, DAMAGE TO OR LOSS OF EQUIPMENT, LOST PROFITS OR REVENUE, COSTS OF RENTING REPLACEMENTS, AND OTHER ADDITIONAL EXPENSES, EVEN IF THE SELLER HAD BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. SOME STATES DO NOT ALLOW THE EXCLUSION OF LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

NO WHOLESALER, AGENT, DEALER, CONTRACTOR OR OTHER PERSON IS AUTHORIZED TO GIVE ANY WARRANTY ON BEHALF OF GOLDLINE.

THIS WARRANTY IS VOID IF THE PRODUCT HAS BEEN ALTERED IN ANY WAY AFTER LEAVING THE FACTORY.

FCC Statement

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by Goldline Controls could void the user's authority to operate this equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

— Reorient or relocate the receiving antenna.
— Increase the separation between the equipment and receiver.
— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
— Consult the dealer or an experienced radio / TV technician for help.

Industry Canada Statement

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

The term "IC" before the certification / registration number only signifies that the Industry Canada technical specifications were met.