HAYWARD®

Remote Display
for Aqua Logic and Pro Logic

Owner's Manual

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AQL2-WB-PS-4   AQL2-WW-PS-4
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**www.hayward.com**

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COMPATIBILITY: This remote display is compatible with all Pro Logic PS-4/8/16 models and for all Aqua Logic PS-4/8/16 systems running main software r2.00 or higher.

Installation

Mounting

The AQL2-Wx-PS-x Remote Display must be mounted indoors or in a weather protected area (rain should never hit the remote display). Up to 3 remote displays can be installed. The remote display is designed to mount onto a standard electrical utility box (same size as used for a triple light switch) or can be mounted directly onto any wall surface. When selecting a location, note that the wire to the Pro Logic/Aqua Logic main unit must be no more than 500 ft (160m) long. Follow the steps below:

1. Remove the remote display baseplate from the cover by inserting a screwdriver in the slot shown below. Lift up on the cover while pushing gently with the screwdriver.

Bezel
(use is optional)

Push Screwdriver blade through slot and pull up cover
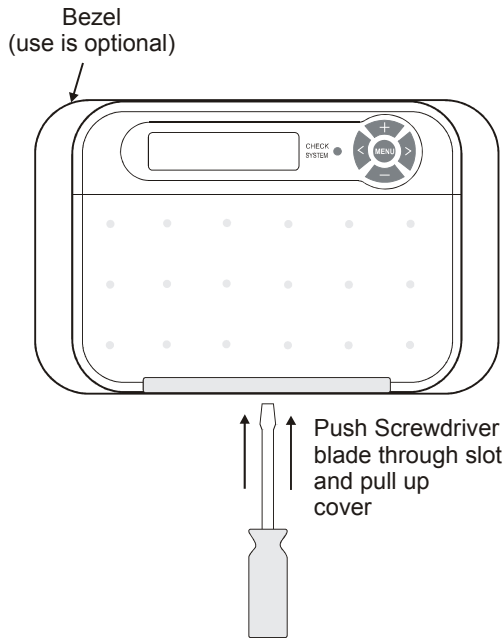
2. If bezel will be used, snap baseplate into bezel before mounting.

3. Screw the baseplate in the desired position (screws supplied by installer).
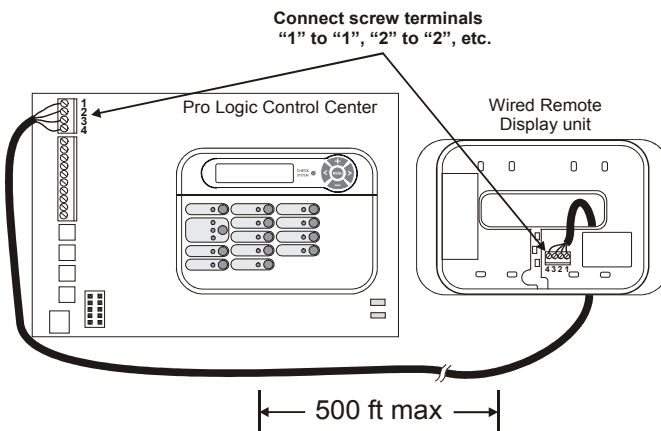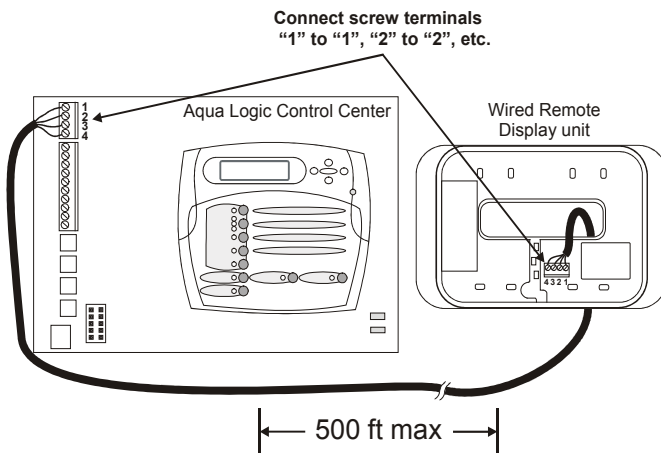
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Wiring

The Pro Logic or Aqua Logic main unit can connect up to a maximum of 3 remote displays. Use four conductor cable (typically phone cable) to connect the remote display keypad with the Pro Logic/ Aqua Logic Control Center as shown below. The maximum wiring distance is 500 ft (160m). Note that the terminals on both the Pro Logic/Aqua Logic main unit and the remote display are numbered: Connect 1 to 1, 2 to 2, etc.

If multiple remote displays are installed: Never connect more than 2 wires to any terminal block. Two remotes can be wired back to the Pro Logic/Aqua Logic main unit or the second remote display (and third, if applicable) can be "daisy chained" with one remote display wired to the next. The maximum wire run from the Pro Logic/Aqua Logic main unit to the furthest remote display is 500 ft (160m).

**Connect screw terminals
"1" to "1", "2" to "2", etc.**

Aqua Logic Control Center

Wired Remote
Display unit

← 500 ft max →

**Connect screw terminals
"1" to "1", "2" to "2", etc.**

Pro Logic Control Center

Wired Remote
Display unit

← 500 ft max →

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Operation

When power is turned on, all the LED indicators will flash briefly, the display backlight will illuminate, and the following display will appear for a short period of time:

Goldline Pro Logic
Display r4.00

Goldline Aqua Logic
Display r4.00

The "r4.00" is the software revision level. The actual revision level for your remote display may be different.

Refer to the Pro Logic or Aqua Logic Operation Manual for complete operating instructions.

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Troubleshooting

1. **Remote display not functioning (no display, no LEDs illuminated)**.
   If the display/keypad located on the main unit is working correctly, the most likely cause is that wires 1 and 4 are either open circuited or reversed. Check wiring. If none of the displays are working, check that 120V power is being applied to the main control and that the 3A fuse (violet) is not blown.

2. **Display backlight turns off after a period of time**
   The display backlight should always illuminate when you press any key on the unit. If it turns off after a period of time, you can stop this by pressing the menu key (possibly multiple times) until "Settings Menu" appears. Next press the "<" or ">" key (possibly multiple times) until "Display Light" appears. At this point, pressing either "+" or "-" will allow you to select either "Always On" or "On for 60 sec.". After you have selected the desired operation, press the "Menu" button to lock in your setting. Note that this selection applies to this display/keypad only. Repeat the process for each remote display in the system.

3. **Display backlight always on**
   The display backlight should always illuminate when you press any key on the unit. If it remains on after 60 seconds have elapsed since the last button push, you can stop this by pressing the menu key (possibly multiple times) until "Settings Menu" appears. Next press the "<" or ">" key (possibly multiple times) until "Display Light" appears. At this point, pressing either "+" or "-" will allow you select either "Always On" or "On for 60 sec.". After you have selected the desired operation, press the "Menu" button to lock in your setting. Note that this selection applies to this remote display only. Repeat the process for each remote display in the system.

4.
   ```
   Communication Err 1
   call 908-355-7995
   ```

   The remote display received data from an Aqua Logic system running software earlier than r2.00. This keypad is not compatible with these systems. Another cause for this problem may be that the local display/keypad in the main Pro Logic/Aqua Logic control unit is not connected or not functioning. If this is the case, connect and/or replace the local display keypad and then cycle power to the Pro Logic/Aqua Logic off and then back on to reset the system. If you are unable to find the problem, contact the Hayward Technical Support department Monday through Friday, from 8AM to 8PM eastern time.

5.
   ```
   Communication Err 2
   call 908-355-7995
   ```

   The remote display is not receiving any communication from the Pro Logic/Aqua Logic main control unit. The most likely cause of this problem is a broken wire or "open circuit" in wires "2" and/or "3" in the cable between the remote display and the Pro Logic/Aqua Logic main control unit. If you are unable to find the problem, contact the Hayward Technical Support department Monday through Friday, from 8AM to 8PM eastern time.

6.
> Communication Err 3
> call 908-355-7995

The remote display is receiving data from the main Pro Logic/Aqua Logic control unit however that data contains errors and is unusable. The most likely cause of this problem is that wires "2" and "3" in the cable between the control unit and the remote display are crossed. If you are unable to find the problem, contact the Hayward Technical Support department Monday through Friday, from 8AM to 8PM eastern time.

7.
> Display Error 1
> call 908-355-7995

> Display Error 2
> call 908-355-7995

An internal problem has occurred in the remote display. Remove the remote display from the wall mount base (see diagram on page 1) and write down the model number and serial number of the remote display. Next, call the Hayward Technical Support department (Monday through Friday, from 8AM to 8PM eastern time) to find out how to obtain a replacement remote display.

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LIMITED WARRANTY (effective 03/01/12) Hayward warrants its Pro Logic, OnCommand and E-Command pool automation products as well as its Aqua Rite, Aqua Rite Pro, Aqua Plus and SwimPure chlorination products to be free of defects in materials and workmanship, under normal use and service, for a period of three (3) years. Hayward also warrants its Aqua Trol chlorination products to be free of defects in materials and workmanship, under normal use and service for a period of one (1) year. These warranties are applicable from the initial date of purchase on private residential swimming pools in the US and Canada. Installations of product for use on commercial pools in the US and Canada is covered for a period of one (1) year for defects in materials and workmanship. Hayward warrants all accessories and replacement parts for the above-identified pool automation and chlorination products for a period of one (1) year. Accessories also include remotes, actuators, base stations, temperature sensors, flow switches and chemistry probes. Each of these warranties is not transferable and applies only to the original owner.

Hayward shall not be responsible for cartage, removal, repair or installation labor or any other such costs incurred in obtaining warranty replacements or repair.

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 Hayward authorized warranty service center. For more information on authorized service centers please contact the Hayward Technical Service Support Center (61 Whitecap Road, North Kingstown RI, 02852) or visit the Hayward web site at www.hayward.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.

6. Use of a non-genuine Hayward replacement salt chlorination cell on any Hayward automation or chlorination product will void the warranty for that product.

The express limited warranty above constitutes the entire warranty of Hayward Pool Products with respect to its products and is in lieu of all other warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose. In no event shall Hayward Pool products be responsible for any consequential, special or incidental damages of any nature. Some states do not allow a limitation on how long an implied warranty lasts, or the exclusion of incidental or consequential damages, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.
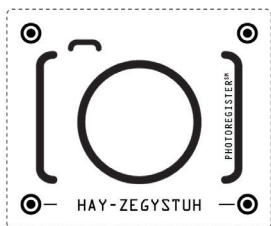
90 DAY EXTENDED WARRANTY*
REGISTER WITH YOUR SMARTPHONE

—— **PROTECT YOUR INVESTMENT IN 2 EASY STEPS** ——

1. TAKE A PHOTO
Take a photo of the camera icon

HAY-ZEGYSTUH

PHOTOREGISTER™

2. SEND IT IN
Send it in using **one** of the methods below

SMARTPHONE
Text a photo of the camera icon to **71403**

—— OR ——

ONLINE
Visit **Hayward.com/Warranty**

—— OR ——

MESSENGER
Send photo to **photoregister**

*Extended warranty is in addition to applicable product warranty and is for parts only, labor not included.
Need help? Visit photoregister.com/help or text HELP to 71403.

For further information or consumer
technical support, visit our website at
www.hayward.com

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