Remote Control for

PRO LOGIC™

and

A q ua Lo gic®

Automation and Chlorination

SALT LEVEL
3200PPM

Installation and Operation Manual

for model

AQL-WW-P-4

OPERATION

Refer to the Pro Logic or Aqua Logic Operation Manual for complete AQL-WW-P4 operating instructions.

Start-up

When power is turned on, the display backlight should immediately illuminate and the following display should appear for a few seconds:

```
PRO LOGIC
rx.xx
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The x.xx is the software revision level for this particular display/keypad.

TROUBLESHOOTING

1. **Display/keypad 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. **"Communication Error" displayed**
    If the display/keypad on the main unit is working correctly, the most likely cause is that wires 2 and 3 are either open circuited or reversed. If all the display/keypads are showing "Communication Error", unplug the remote display connector at the main unit and check the main display. If the main display works properly, the problem is in the wiring or one of the remotes is defective. If the main display keypad still does not work, the main PCB will have to be replaced.

3. **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 "Off after 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 of each display/keypad in the system.

4. **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 "Off after 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 of each display/keypad in the system.
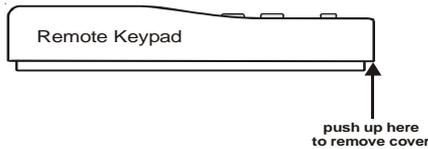
COMPATIBILITY: This display/keypad is compatible with all Pro Logic and Aqua Logic P-4 systems. In addition, it is compatible with Aqua Logic PS-4 system with datecodes 0311 and earlier running main software r1.04 or lower.

INSTALLATION

Mounting

The AQL-WW-P4 Remote Control must be mounted indoors or in a weather protected area (rain should never hit the display/keypad). Up to 3 remote display/keypads can be installed. The display/keypad is designed to mount onto a standard electrical utility box (ideal for new construction) or can be mounted directly onto any wall surface. When selecting a location, note that the wire to the main unit must be less than 500' long. Follow the steps below:

1. Remove display/keypad baseplate from the cover by lifting up on the cover at the lower end of the keypad as shown below.
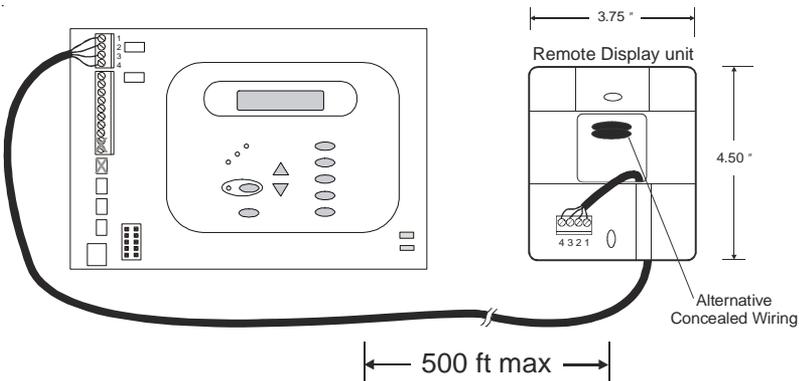

Remote Keypad

push up here
to remove cover

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

Wiring

The Pro Logic or Aqua Logic main unit can connect to a maximum of 3 remote display/keypads.

Use four conductor cable (typically phone cable) to connect the remote control to the Pro Logic/Aqua Logic Control Center as shown below. The maximum wiring distance is 500ft. (160m). Note that the terminals on both the main unit and the remote display/keypad are numbered: Connect 1 to 1, 2 to 2, etc. Refer to diagram on the top of the following page.

If multiple remote remote controls 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 display/keypad (and third, if applicable) can be "daisy chained" with one display/keypad wired to the next. The maximum wire run from the main unit to the furthest remote display/keypad is 500 ft (160m).

3.75 "

Remote Display unit

4.50 "

4 3 2 1

Alternative
Concealed Wiring

← 500 ft max →

ELECTROLYTIC CHLORINE GENERATOR
BASIC POOL MAINTENANCE REQUIREMENTS

	TEST	IDEAL RANGE	ADJUSTMENT REQUIRED
WEEKLY	Free Chlorine	1.0 - 3.0 ppm	Turn output dial up to increase, down to decrease -OR- increase or decrease pump filtration time.
	pH	7.2 - 7.8	Too high - add muriatic acid Too low - add soda ash.
MONTHLY	Alkalinity	80 - 120 ppm	Add baking soda to increase. Add acid as required to decrease.
	Salt	2700 - 3400 ppm	Add salt as required to increase.
QUARTERLY	Stabilizer	60 - 80 ppm	Add cyanuric acid to increase.
	Calcium	200 - 400 ppm	Add calcium to increase. Drain and add water to decrease.
	Electrolytic Cell	inspect & clean	Refer to section in manual.

Questions?

Refer to **www.goldinecontrols.com** for latest manual revisions, additional information and helpful service. Or, you may visit your local Authorized Goldine Dealer or call 888-921-POOL (7665) for assistance.