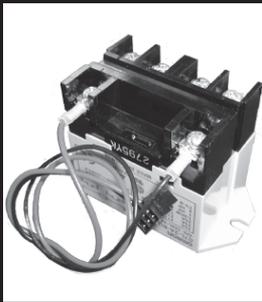




# AC Relay Kit

For Aqua Logic & Pro Logic

## Owner's Manual



### Contents

Introduction.....	1
Installation.....	1
Operation.....	2
Warranty.....	Back

AQL-RELAY-AC-KT

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## Introduction

### Compatibility

The AQL-RELAY-AC-KT is an optional AC relay kit for use with Pro Logic or Aqua Logic P-4 and PS-4 models.

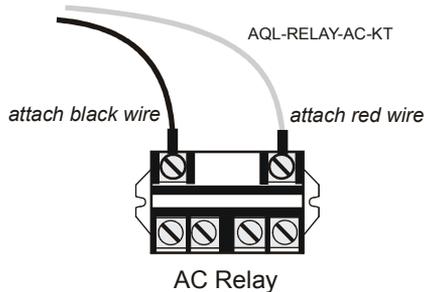
**PS-4:** Up to two AQL-RELAY-AC-KTs can be used with PS-4 models. When used with a PS-4, the Pro Logic/Aqua Logic's Valve3 (and/or Valve4) output will not power pool valves. Instead, the output is used to operate the AC relay which provides an ON/OFF output capable of handling up to 3HP at 240VAC. The Valve 3/4 output can be configured for Manual On/Off, Countdown timer, Timeclock, Solar, In-Floor Cleaner, Group or Super Chlorinate. Depending on the programmed function, the Valve3 and/or Valve4 buttons on the local display can be used.

**P-4:** When used with a P-4, the Pro Logic/Aqua Logic's Valve3 output will not power a pool valve. Instead, the output is used to operate the AC relay which provides an ON/OFF output capable of handling up to 3HP at 240VAC. The Valve 3 output can be configured for Timeclock, Solar, In-Floor Cleaner or Super Chlorinate. There is no Valve3 button on the local display.

The AQL-RELAY-AC-KT relay is mounted in the empty row below the Pool/Spa and Aux relays and the wire harness plugs into the appropriate Valve3 and/or Valve4 connector located on the circuit board. Only one relay can be used on P-4 models; up to two AQL-RELAY-AC-KTs can be installed (Valve3 and Valve4) on PS-4 models.

## Installation

Before mounting the relay, attach the enclosed wiring harness to the coil side of the relay according to the diagram below.



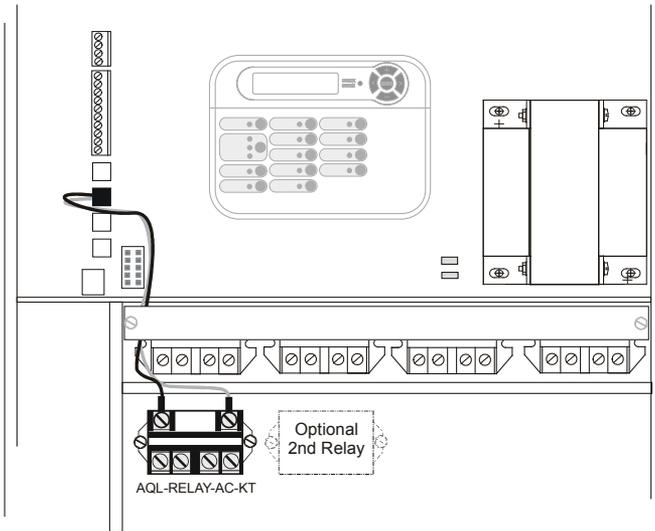
### Mounting

The AQL-RELAY-AC-KT is designed to fit in the location below the row of four relays on the Pro Logic or Aqua Logic. Refer to the instructions and diagram on the following page for proper installation.

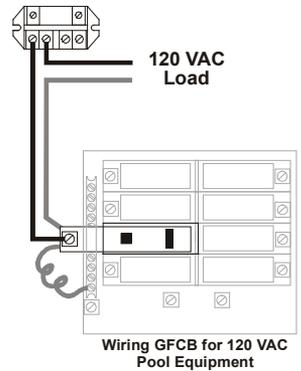
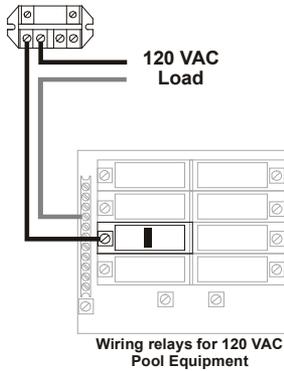
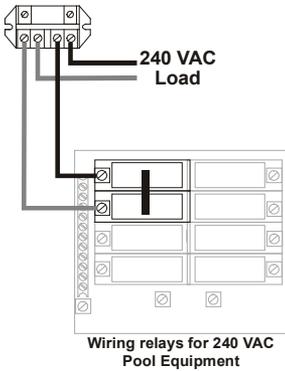
1. Shut off power to the Aqua Logic control.
2. Locate the desired mounting position on the left side below the row of four relays. Install the relay using the two relay mounting screws provided.
3. Route the cable underneath the relay cover bar and plug into the desired valve output.



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4. Cover the relay with the provided relay cover bar and cover bar screws. Attach label on cover bar above the mounted relay.



## Wiring

The AC-RELAY-AC-KT is designed to operate high voltage devices rated up to 3HP/30A at 240V (1½HP/30A at 120V). Refer to the diagrams above for typical high voltage relay wiring.

## Operation

Refer to the Pro Logic or Aqua Logic manual for information on Valve3 (and/or Valve4) output operation and programming.

**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](http://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.

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technical support, visit our website at  
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