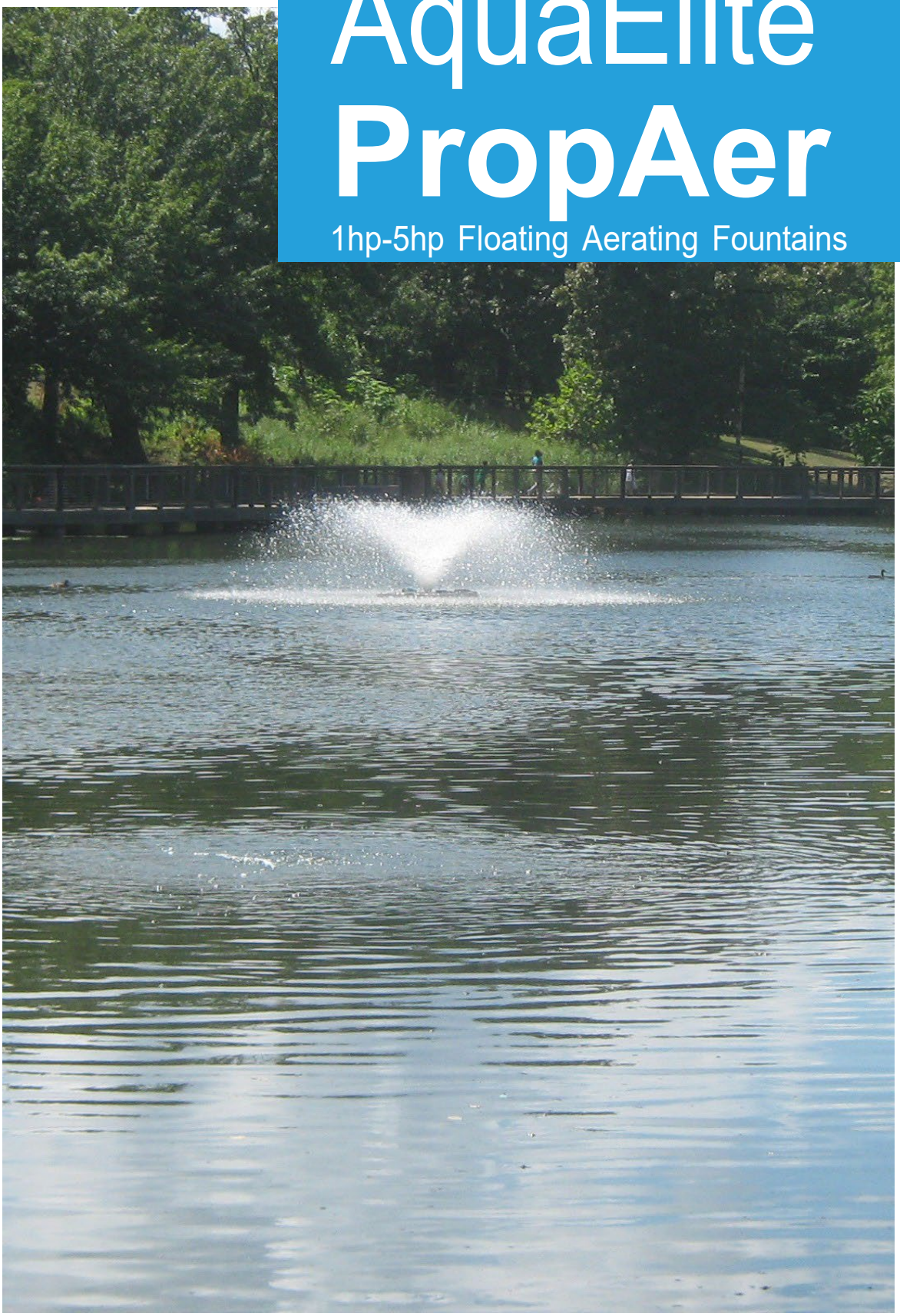
AquaElite™ PropAer

1hp-5hp Floating Aerating Fountains



Aerators **Mixers**

Fountains **Aspirators**

THANK YOU!

We would like to thank you for your purchase of the AquaElite fountain. We hope that you will enjoy your fountain for many years to come.

COMMITMENT TO QUALITY AND CUSTOMER SERVICE

AquaElite is committed to providing customers with defect free products through our program of continuous improvement. Quality shall, in every case, take precedence over quantity.

Once again, thank you and if there are any questions we can answer or supply more information, please do not hesitate to contact us.

Phone: 1-866-471-1614

E-Mail: info@aquaeliteproducts.com

Website: www.AquaEliteproducts .com

ATTENTION!
IMPORTANT INFORMATION FOR INSTALLERS OF THIS EQUIPMENT!

THIS EQUIPMENT IS INTENDED FOR INSTALLATION BY TECHNICALLY QUALIFIED PERSONNEL. FAILURE TO INSTALL IT IN COMPLIANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES, AND WITHIN MANUFACTURERS RECOMMENDATIONS, MAY RESULT IN ELECTRICAL SHOCK OR FIRE HAZARD, UNSATISFACTORY PERFORMANCE, AND EQUIPMENT FAILURE.

!WARNING

SERIOUS OR FATAL ELECTRICAL SHOCK MAY RESULT FROM FAILURE TO CONNECT THE MOTOR, CONTROL ENCLOSURES, METAL PLUMBING, AND ALL OTHER METAL NEAR THE MOTOR OR CABLE, TO THE POWER SUPPLY GROUND TERMINAL USING WIRE NO SMALLER THAN MOTOR CABLE WIRES. TO REDUCE RISK OF ELECTRICAL SHOCK, DISCONNECT POWER BEFORE WORKING ON EQUIPMENT.

INSTALLATION

OPERATION

AND

MAINTENANCE

OF THE

AQUAELITE FLOATING FOUNTAINS

This manual is designed to aid in the installation; operation and maintenance of AquaElite floating fountain. **Do not dispose of this manual!** Provide this manual to the owner.

The following information is provided to alert persons to potential personal injury hazards inherent with products.

! DANGER: Indicates an eminently hazardous situation which, if not avoided, will result in death or serious injury.

! WARNING: Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

! CAUTION: Indicates a potentially hazardous situation which may result in minor or moderate injury.

SAFETY DATA INFORMATION SHEET

! DANGER: RISK OF ELECTRIC SHOCK. DO NOT INSTALL THIS EQUIPMENT IN SWIMMING AREAS. THIS EQUIPMENT HAS NOT BEEN INVESTIGATED FOR USE IN SWIMMING AREAS.

! WARNING: DISCONNECT AND LOCK OUT ELECTRICAL POWER BEFORE ANY SERVICE IS PERFORMED ON THIS DEVICE.

! WARNING: THE CONTROL PANEL AND UNIT MUST BE GROUNDED. FAILURE TO CONNECT TO A PROPER GROUND COULD RESULT IN PERSONAL INJURY OR DEATH.

! WARNING: BEFORE ATTEMPTING TO INSTALL, SERVICE OR MAINTAINTHE UNIT AND/OR FLOTATION IN ANY BODY OF WATER A COAST GUARD APPROVED PERSONAL FLOTATION DEVICE (PFD; TYPE III OR HIGHER) MUST BE WORN.

! WARNING: THE FLOTATION PROVIDED FOR THIS EQUIPMENT, HAS NOT BEEN INVESTIGATED AS A PERSONAL FLOTATION DEVICE.

! WARNING: ATTEMPTING TO INSTALL OR SERVICE EQUIPMENT FROM AN UNSTABLE WORK PLATFORM COULD RESULT IN DEATH OR INJURY.

! WARNING: POSSIBLE CUTTING HAZARD. ROTATING PROPELLER COULD RESULT IN SERIOUS INJURY. TURN OFF POWER AND LOCK OUT BEFORE INSTALLATION OR SERVICING.

! NOTICE: DO NOT OPERATE THIS EQUIPMENT OUT OF THE WATER.

(EXCEPTION:) IT IS PERMISSABLE TO BUMP RUN 3-PHASE EQUIPMENT OUT OF THE WATER TO VERIFY COUNTER CLOCKWISE MOTOR ROTATION WITH A RAPID ON/OFF OPERATION.

! CAUTION: INSTALLATION OR SERVICE WORK MUST BE PERFORMED FROM A STABLE WORK PLATFORM TO AVOID THE POSSIBILITY OF CAPSIZING.

AQUAELITE

ASSEMBLY AND INSTALLATION INSTRUCTIONS

! WARNING: DO NOT INSTALL OR USE THIS DEVICE IN SWIMMING AREAS

The fountain is reliable, efficient and trouble-free needed for a long operational life are simple. They are: 1. A suitable operating environment, 2. An adequate supply of electricity, 3. An adequate flow of water, and 4. An appropriate amperage draw. All considerations of application, installation, and maintenance of the fountain relate to these four areas. This manual will acquaint you with these needs and assist you if service or maintenance is required.

Remove the unit from the shipping carton. ***Do not dispose of the shipping container and packing in the unlikely event of return for service. SAVE THE PACKAGING!***

FLOAT INSTALLATION

Remove the flotation from the shipping carton.

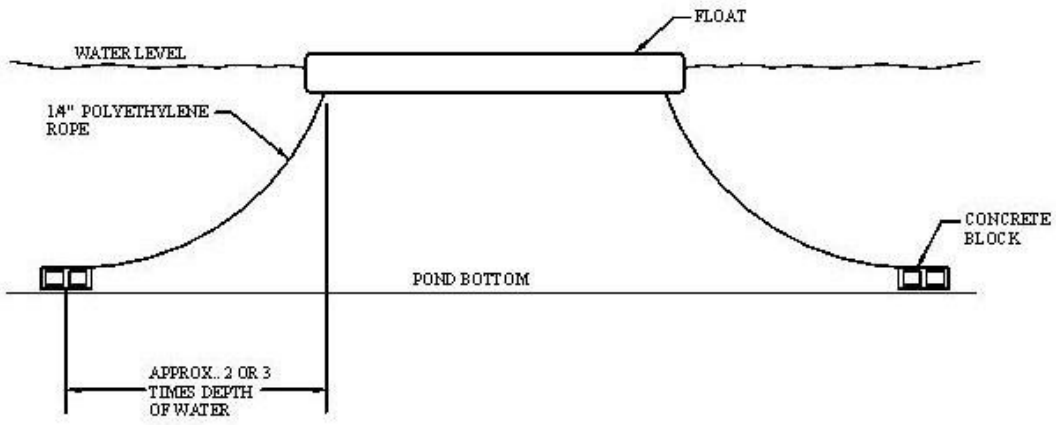
If purchased with light kit, please see light kit instructions Page 21 at this time.

!WARNING: DO NOT USE AS A PERSONAL FLOTATION DEVICE.

STEP 1 To anchor: Cut 2 lengths of 1/4" polyethylene rope, allowing for 2 to 3 feet of rope for every foot of water depth. Most commonly the unit is anchored by two 8" x 8" x 16" concrete building blocks (one per corner diagonally). See the enclosed suggested mooring drawing. This type of anchor allows the anchor to bury itself in the mud or lake bottom.

STEP 2 Insert one rope end into one of the mooring holes in the float and tie off. Do the same on the opposite diagonal corner. Only two opposing corners are needed for secure mooring.

STEP 3 The mooring ropes, as an alternative, may be tied off to the shore. Be certain to allow for variations in water level when determining shore mooring rope length.

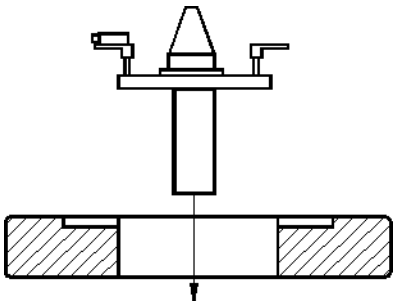


FOUNTAIN ASSEMBLY INSTALLATION

UNIT INSTALLATION

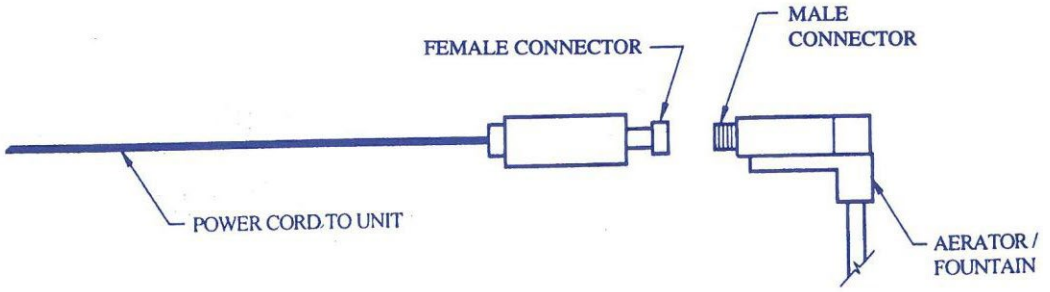
Place the unit into the center of the float with motor end first and the mounting supports positioned into the square molded areas in the float. No mounting hardware or tools are needed.

Note: On three phase equipment, check rotation of the motor before installing the unit in the water.



Only for reference

POWER CABLE INSTALLATION



Connect the power cable to the unit. A packet of dielectric grease has been provided. Apply the dielectric grease into the water tight connectors to aid in the installation of the connectors and to provide additional moisture resistance. Insert the female connector of the power cord into the male connector on the unit and tighten the jam nut hand tight. (Do not over tighten as damage can occur)

Selecting the correct gauge and length of power supply wire is mandatory to avoid any equipment malfunctions due to voltage loss on too small of a gauge of wire. WIRE PER LOCAL ELECTRIC CODES) Each unit is to be operated on individual circuits. Allow no more than 3 meters of exposed power cord.

3-Wire Cable, 60 HZ (Service Entrance to Motor – Maximum Length in Feet)

Cable must be suitable for submerged operation, and adequate in size to operate within rated temperature and maintain adequate voltage at the motor. The 60 hz cable selections maintain motor voltage to at least 95% of supply voltage with maximum rated running amps, and maintain acceptable starting voltage and cable temperature.

ELECTRICAL

ALL ELECTRICAL CONNECTIONS SHALL BE WIRED PER N.E.C., C.E.C., OR LOCAL ELECTRIC CODES

! DANGER: RISK OF ELECTRICAL SHOCK. DO NOT INSTALL OR USE THIS DEVICE IN SWIMMING AREAS. THIS PUMP HAS NOT BEEN INVESTIGATED FOR USE IN SWIMMING AREAS.

! DANGER: ROTATING PROPELLER COULD RESULT IN SERIOUS INJURY. TURN OFF POWER BEFORE SERVICING MACHINE.

! WARNING: RISK OF ELECRIC SHOCK. CONNECT ONLY TO A PROPERLY GROUNDED CONNECTION. FAILURE TO CONNECT TO PROPER GROUND COULD RESULT IN PERSONAL INJURY.

E.L.C.I. INFORMATION

An Equipment Leakage Current Interrupter is provided on AQUAAQUAELITE equipment manufactured for use in the United States. Canadian Electric Codes require protection at the service entrance.

The ELCI used on USA AquaElite 230-volt equipment is rated for 20amps or 30amp and has a nominal trip level of 30 mA. The E. L.C.I. is used as **an Equipment Leakage Circuit Interrupter** device **only.** The E.L.C.I. is **not** a circuit breaker nor should it be used as an on/of switch. .

Selecting the correct gauge and length of power supply wire is mandatory to avoid any equipment malfunctions due to voltage loss on to small of a gauge of wire. WIRE PER N.E.C., C.E.C., OR LOCAL ELECTRIC CODES. Each unit is to be operated on individual circuits. Allow no more than 10 feet of exposed power cord.

VERIFICATION OF VOLTAGE

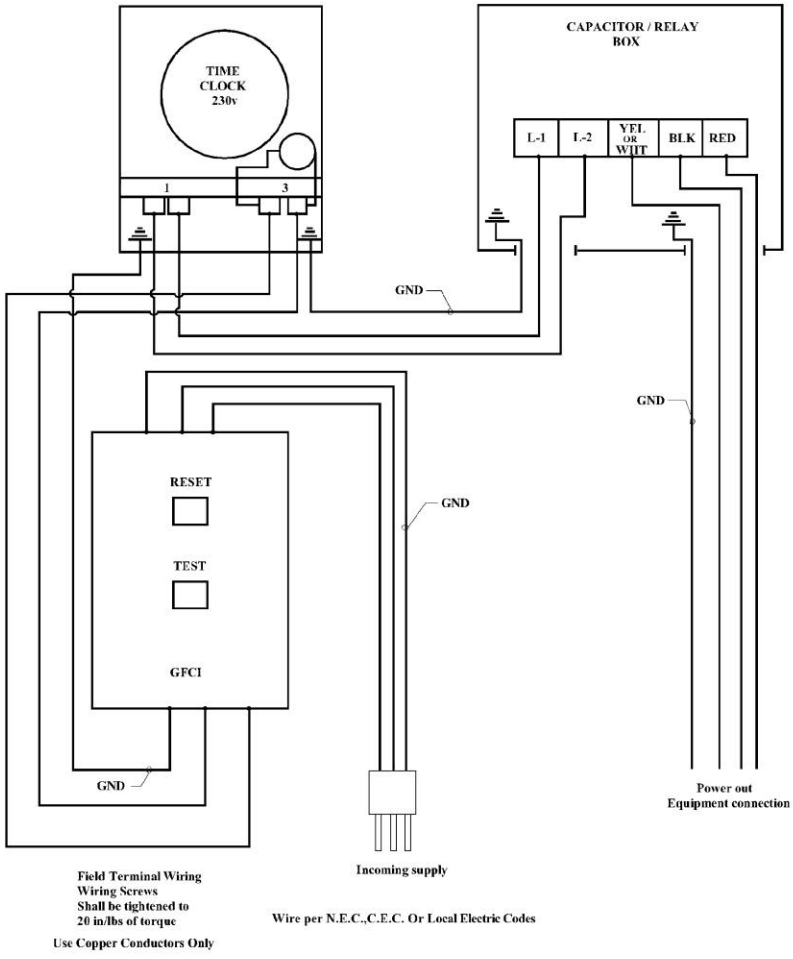
Verify that the voltage and phase of power available matches that of the equipment.
It is recommended that you have a qualified electrical installer provide the appropriate receptacle for the fountain purchased. The single (1) phase, 230 volt AquaElite requires a 15 amp, 230 volt circuit.

SUPPLY A DEDICATED CIRCUIT FOR EACH FOUNTAIN.

It is strongly recommended to check and compare the amperage and performance characteristics with the information that is provided on the envelope containing this manual and record below.

STANDARD ELECTRICAL CONTROL PANEL

1-hp, 230-v, Single Phase



Notes:

Yel & Blk are run windings
Red is the start winding

This is a 230-volt 1-ph. System

No neutral is provided or required

Any white wire is to be considered a current carrying wire.

Start Up Information

Date _____

Supply Voltage

L-1 _____

L-2 _____

Unit Running Voltage

L-1 _____

L-2 _____

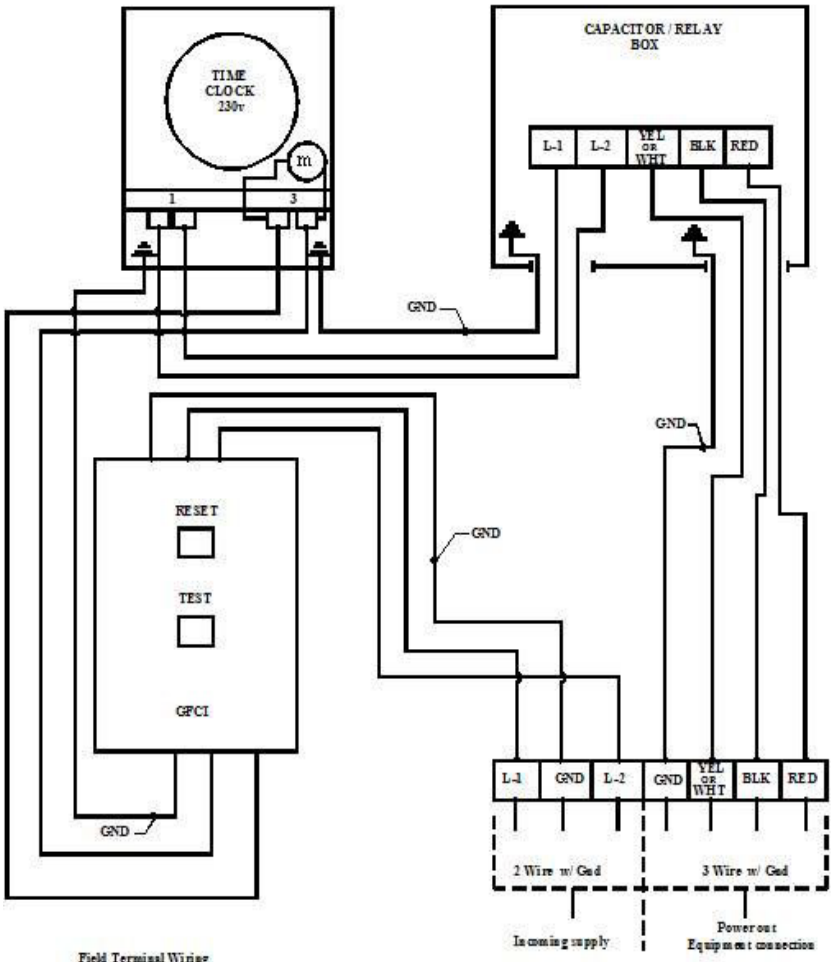
Amperage (Current) Draw

Yel. (Power Out) _____

1hp-5hp

ETL Electric Control Panel

1hp, 230-V Single Phase



Field Terminal Wiring
Wiring Screws
Shall be tightened to
20 in/lbs of torque
Use Copper Conductors Only

Wire per N.E.C.,C.E.C. Or Local Electric Codes

Notes:

Yel & Blk are run windings
Red is the start winding

This is a 230-volt 1-ph. System

No neutral is provided or required

Any white wire is to be considered a current carrying wire.

Start Up Information

Date_____

Supply Voltage

L-1_____

L-2_____

Unit Running Voltage

L-1_____

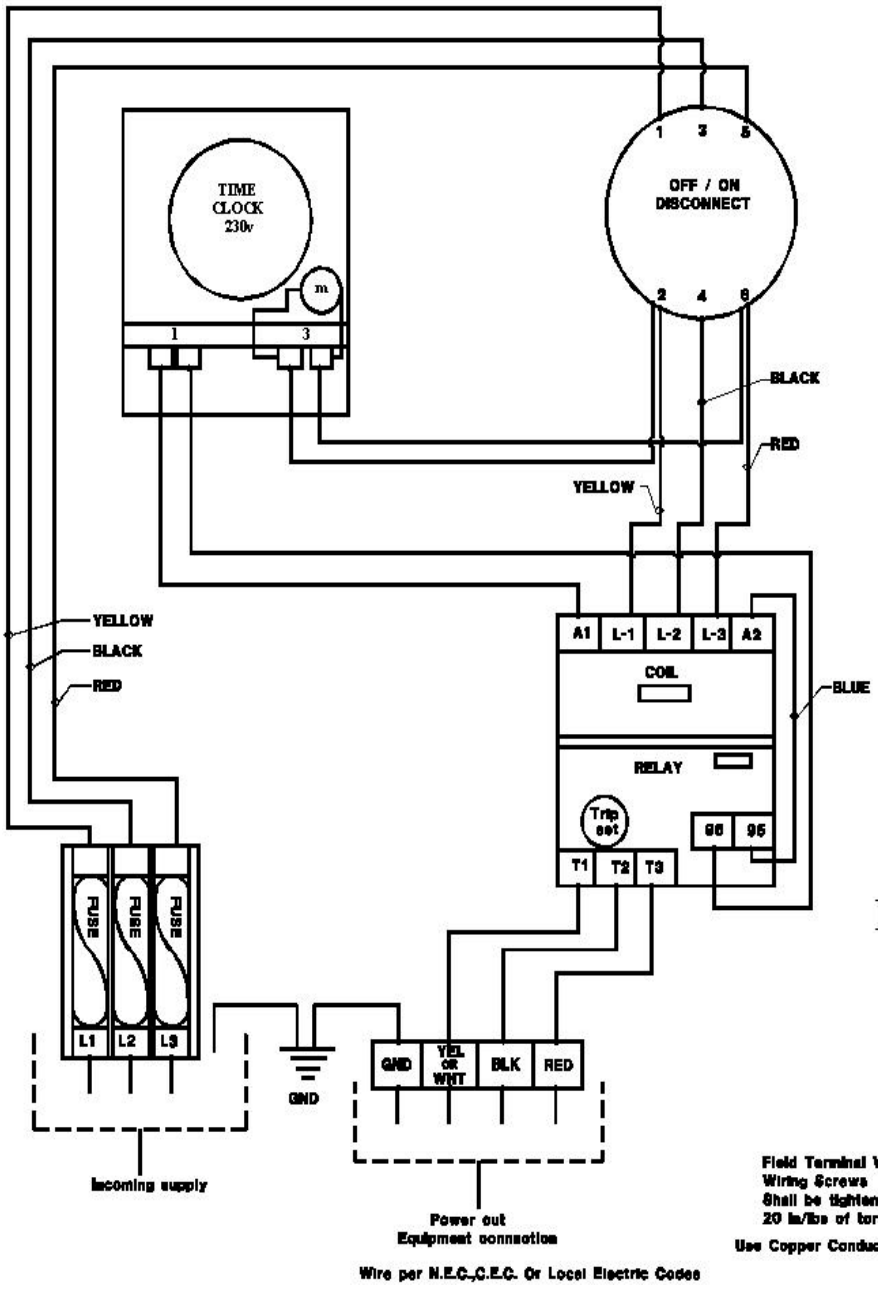
L-2_____

Amperage (Current) Draw

Yel. (Power Out)_____

ELECTRIC CONTROL PANEL

230-V 3 PHASE □ 3HP □ 5HP



Start Up Information

Date_____

Supply Voltage

L-1 _____

L-2 _____

L-3 _____

Unit Running Voltage

L-1 _____

L-2 _____

L-3 _____

Amperage (Current) Draw

Yel. _____

Blk. _____

Red _____

Incoming Power Supply Fuse Sizing Chart

1 1/2 hp... ATDR 7
2 hp...ATDR 10
3 hp...ATDR 12
5hp...ATDR 20

FOUNTAIN

E.L.C.I., Time Clock & Control Panel Mounting (1hp only)

The E.L.C.I. (Equipment Leakage Current Interrupter) is attached to a short length of cable and is connected to the Time Clock.
The Time Clock on the AquaElite is installed on the same plate to which the Franklin Electric C.R.C. Control box is mounted. The controls for the fountain are designed to "Plug-in" to a 15amp horizontal blade (tandem) receptacle.
The E.L.C.I. may be removed for hardwiring the panel. **However** an E.L.C.I. circuit breaker must be installed at the circuit breaker panel for safety.
Attach the Control Panel to a suitable support, i.e., post, or wall, adjacent to 230volt power receptacle. Mount the time clock with the power supply cord protruding out of the bottom of the time clock enclosure pointing downward as well as the fountain power cable.

If an optional ETL control panel was purchased, rather than the standard controls, attach the Control Panel enclosure to a suitable support, i.e., post, wall or Uni-Strut. Mount the control panel so that it is convenient to enter the bottom of the panel enclosure with fountain power cord strain relief pointing downward.
It is necessary to punch or drill a hole in the control panel to bring the service power into the panel. This is commonly located on the bottom of the control panel enclosure. The hole should be of adequate size to permit the size conduit that is selected to be attached.
At this time, run the service power to the control panel. Be certain that the service power is turned off and locked out. You may now connect the service power cable to the terminal strip within the control panel.

! CAUTION: If there is a probability of animals being present that could cause damage to occur to the fountain power cable that is supplied, it is suggested that at this time a protective flexible corrosion resistant conduit be implemented to minimize possible damage to the unit power cable.

HOW TO SET THE TIME CLOCK

MODEL: T104

24 HOUR DIAL TIME SWITCH

TYPE 1 INDOOR USE ONLY
DOUBLE POLE SINGLE THROW (DPST)
40 A RESISTIVE EACH POLE, 120-480 VAC
40 A INDUCTIVE, TUNGSTEN OR 1000 VA
PILOT DUTY EACH POLE 120V-277 VAC;
2 HP (24 FLA) - 120 VAC; 5 HP (28 FLA) - 240 VAC
16 A ELECTRONIC BALLAST, 277 VAC

LR3730

C US UL HOLOGRAM LABEL

⚠ WARNING ***Risk of Fire or Electric Shock***

- **Disconnect power at the circuit breaker(s) or disconnect switch(es) before installing or servicing.**
- **Installation and/or wiring must be in accordance with national and local electrical code requirements.**
- **Use wires rated at least 90°C - COPPER conductors ONLY.**
- **Replace plastic insulator covering terminals before powering ON.**
- **KEEP DOOR CLOSED AT ALL TIMES when not servicing.**

⚠ AVERTISSEMENT ***Risque d'incendie ou de choc électrique***

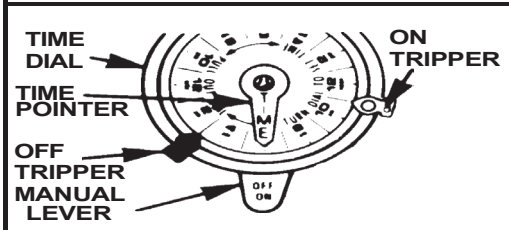
- **Utiliser des fils classés 90 °C minimum - Conducteurs en CUIVRE UNIQUEMENT.**

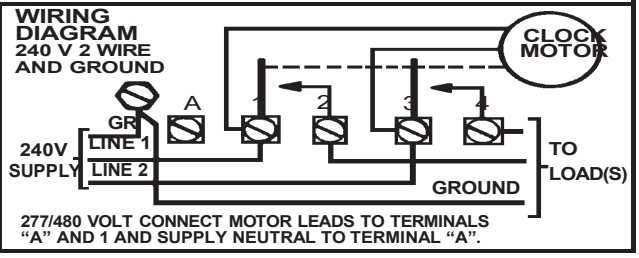
NOTICE

- **Rotate timer dial clockwise only.**
- **Do not move the clock hands on the timer. Moving the clock hands can damage the timer.**

CLOCK MOTOR: 208-277 VAC, 60 HZ.

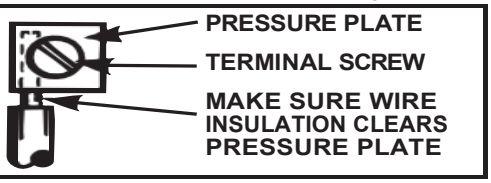
CLOCK MOTOR VOLTAGE AND CYCLE MUST BE AS SPECIFIED. TO ORDER REPLACEMENT, INDICATE PART NO. (WG--) ON MOTOR COVER.





WIRING INSTRUCTIONS: Remove 1/2 inch of insulation from wire ends. Tighten terminal screws firmly (2-18 in-lbs). Use solid or stranded COPPER conductors only. May use two wires of the same size and type.

MINIMUM COPPER WIRE SIZE (AWG)	MAX. LOAD (AMP)	MIN. INSULATION TEMP(°C)	75°C INSULATION MAX. MOTOR LOAD (HP)			
			SINGLE PHASE		3 PHASE	
			120 V.	240 V.	208 V.	240 V.
14	15	90	1/2	2		
12	20	90	1	2 1/2	N/A	N/A
10	30	90	2	3		
8	40	90	-	5		



PROGRAMMING INSTRUCTIONS

1. **TO SET "ON" AND "OFF" TIMES:** Hold trippers against edge of **CLOCK-DIAL**, pointing to time (AM or PM) when **ON** and **OFF** operations are desired, tighten tripper screws firmly. For additional tripper pairs on **CLOCK-DIAL** order 156T1978A.
2. **TO SET TIME-OF-DAY:** Pull **CLOCK-DIAL** outward. Turn in either direction and align the exact time-of-day on the **CLOCK-DIAL** (the time now, when switch is being put into operation) to the pointer. **DO NOT MOVE POINTER.**

OPERATING INSTRUCTIONS

- **TO OPERATE SWITCH MANUALLY:** Move **MANUAL LEVER** below **CLOCK-DIAL** left or right as indicated by arrows. This will not effect next operation.
- **IN CASE OF POWER FAILURE,** reset **CLOCK-DIAL** to proper time-of-day. See programming instructions.

INTERMATIC INCORPORATED
SPRING GROVE, ILLINOIS 60081-9698

154--02030

OPERATION

! CAUTION: **DO NOT OPERATE THE FOUNTAIN OUT OF THE WATER**

Each AquaElite unit is tested under operating conditions at the factory. The amperage and performance characteristics are listed on the envelope containing this **Operation and Maintenance Manual.**

REFERENCE OF INITIAL OPERATION

Save this manual for future reference by that of the owner or service facility.

Startup Date _____Startup Voltage _____Startup Amperage_____

Startup Spray Height _____Startup Spray Width (If applicable)_____

MAINTENANCE

Prior to performing any service, turn the power off. Be certain that the power will not come back on.

The AquaElite is virtually maintenance free. We recommend that you remove the unit from the water periodically to visually inspect and clean any debris build up from the motor and pump assembly and inspect the propeller/impeller for wear.

1. Check the propeller for nicks, wear or broken blades. Replace annually.
2. Check the propeller for debris.
3. Check the electrical cable for cuts and/or abrasions in the jacketing.

Franklin Electric Submersible Motors

The motor is identified as the silver cylindrical device attached to and below the motor mount. The motor is water-lubricated and water-cooled. However, there is no circulation of water through the motor. The motor is sealed. **NO MAINTENANCE IS REQUIRED.** There are no serviceable parts. **DO NOT TAMPER WITH MOTOR OR DISASSEMBLE THE MOTOR. SUCH TAMPERING WILL BE EVIDENT AND WILL VOID THE FACTORY WARRANTY.**

Check all fasteners for proper tension. Pump body fasteners are to be tightened no more than 50 in/lbs. in a random pattern. **! Caution**: Do not over tighten as breakage may occur. The 5/16" motor mount nuts should be tightened to 85 in/lbs.

TROUBLE SHOOTING PROCEDURE

Due to the extremely simple design of the AquaElite fountain and minimal maintenance required there is consequently a limited amount of trouble shooting to be sought.
A volt ohmmeter is required to complete the following trouble shooting checks.

! DANGER: Electric shock hazard. Disconnect and lockout the electrical power before servicing.

If the fountain does not start:

(1) Check for the correct voltage by using a voltmeter and verify that the voltage is within 10% of the nameplate rating of 230 volts. If the voltage is incorrect contact a licensed electrician or your power company.

(2) After the correct voltage has been verified is present check for loose connections or a tripped circuit breaker.

(3) Check for loose connections.

(4) Inspect the power cord and motor lead with an ohmmeter check for continuity. Check for cuts causing short circuits. Replace as necessary with a new motor lead or power cable. Use the correct gauge and type for the power cable that being SOW or SEOW.

If the fountain runs but the overloads trip:

(5) Check for the correct voltage at the incoming line terminals. The voltage must be within 10% of the nameplate voltage on the motor. Contact an electrician to correct the voltage.

(6) Within the motor there is an automatic reset overload protection device which is sensitive to overload amperages over 9.8 amps and will cause the motor to stop operating. After the overload "cools" the motor will try to "restart". Find the cause of the overload such as debris around the propeller or motor shaft or even a worn bearing in the motor.

(7) A possible condition although remote is that the C.R.C. control box has defective components. Possible causes are lightning or power surges. It is best to replace the entire control box since lightning or power surges are usually catastrophic.

(8) Check the power cable and motor lead for cuts or breaks using an ohmmeter. Never attempt to tape or splice a cable or motor lead.

(9) There is nothing to repair on or in the Franklin the motor. If found to be defective; replace the motor if required.

INSULATION & WINDING

RESISTANCEVALUES

CONDITION OF MOTOR AND LEADS	OHM VALUE	MEGOHM VALUE
A used motor which can be reinstalled.	10,000,000 (or more)	10.0
MOTOR IN WATER. Ohm readings are for drop cable plus motor.		
A motor in the water in reasonably good condition	500,000-2,000,000	0.5-2.0
A motor which may have been damaged by lightning or with damaged leads. Do not pull aerator this reason.	20,000-500,000	0.02-0.5
A motor which definitely has been damaged or with a damaged cable. The aerator should be pulled and repairs made to the cable or the motor replaced. The motor will not fail for this reason alone, but it will probably not operate for long.	10,000-20,000	0.01-0.02
A motor which has failed or with completely destroyed cable insulation. The aerator must be pulled and the cable repaired or the motor replaced.	less than 10,000	0.0-0.1

Insulation resistance does not vary with rating. All motors of all HP, voltage, and phase rating have the same value of insulation resistance.

STORAGE

Place the unit in an upright position. Do not expose to temperatures below -20°F and avoid exposure to temperatures over 120°F.

It is recommended that the fountain equipment be removed in freezing conditions. If unit is left in the water, do not allow to freeze in place. Damage to equipment could result.

DEBRIS MANAGEMENT INFORMATION

The factory has included on a "propeller guard or in the case of the Enterprise and fountain a propeller/impeller shroud" to protect the propeller/impeller from damage from a foreign object and yet maintain a maximum flow of water for performance and cooling the motor.

An optional propeller guard may be purchased for the Konos. There is no propeller guard for the aerator.

The shroud or guard is **only** to be considered a best-placed effort to minimize an object or debris from damaging or fouling the aerator or fountain and is **not** a guarantee that debris will not come in contact with the moving propeller or impeller.

The shroud or guard is **NOT** to be considered a safety device.

In certain situations it may be desired to add a debris screen to the aerator or fountain equipment.

Material that should be considered for a debris screen is a plastic or non-corrosive metal mesh (nothing smaller than ¼ inch opening) material. The material should be installed on the float within the unit-mounting hole located in the center of the float. There are eight (8) ¼ -20 brass inserts molded on the inside circumference of the hole in the center of the float. These inserts are provided to mount a debris screen.

DO NOT Attach the debris screen to the aerator or fountain. This could cause damage to the unit and will mike it more difficult to remove the aerator or fountain from the float for service or storage.

DO NOT Install a bottom in this type of debris screen. This is for two (2) reasons. First, in the event that the screen becomes clogged from debris, water flow will be restricted to the aerator or fountain. Second in the event that an object or animal falls through the top of the float, it will not become entrapped in the debris screen.

After all this has been said it is important to realize that if a debris screen is to be effective. The screen will have to be cleaned and serviced periodically as well as the unit and propeller/impeller.

Debris management, cleaning and service is your responsibility.

Example of suggested debris screen

Step 1. Measure the inside circumference of the hole in the center of the float. Cut the mesh material (nothing smaller than 1/4 inch opening) the measurement of the circumference plus two (2) inches. Cut the length of the mesh material to at least the length of the bottom of the motor when installed in the float. Do Not attach a bottom or top to the mesh cylinder.

Step 2 Roll the mesh into a cylinder and overlap the edges approximately two (2) inches and secure with ty-raps along the length of the mesh.

Step 3 Attach the mesh cylinder to the inside circumference of the hole in the center of the float. There are 1/4-20 brass inserts molded into the float to attach the debris screen. Secure the debris screen with stainless steel 1/4-20 x 1/2 inch hex head screw and a 1/4 inch stainless steel washer.

This completes the installation of the debris screen to the float

SERVICE HISTORY

AQUAELITE

CERTIFICATE OF LIMITED WARRANTY

1. Your Legal Rights Under This Warranty

This warranty is the only express warranty that AquaElite makes for your AquaElite product. This warranty gives you specific legal rights.

This warranty is only for products sold for use in the USA.

THERE ARE NOT WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.

This warranty will be governed by the laws of the State of Arkansas, USA.

2. What's Covered

2.1 Warranty

AquaElite warrants to the original purchaser that the equipment delivered by it will be of the kind and quality described in the order and will be free of defects in **workmanship, material or factory preparation** when operated under normal use and services.

A. What's Covered at No Cost to You

The Warranty covers the cost of all parts needed to repair any defective item on your AquaElite product – that is, defective in material, workmanship, or factory preparation. **Warranty repairs or adjustments – including all parts and labor connected with them – will be made at AquaElite or an AUTHORIZED repair facility.**

B. Products Covered

- **Motor- 4years, Electronics-2years, Float 3years**

The AquaElite "ProAer" fountain using Franklin Electric 4" motors.

When It Begins

The Warranty begins on either of the following dates, whichever is earlier:

- The date you take delivery of the AquaElite product or
- The date when the product was first put into service up to 48 months from the date of manufacture.

When It Ends

The Warranty lasts for 48 months for the AquaElite .

Exceptions

Exceptions to the 48 month warranty are: equipment used in severe environments, which are not warranted, i.e., wastewater applications or where high concentrations of corrosive or abrasive material are present.

C. Registration and Operation Requirements

The Basic Warranty covers your AquaElite product only if:

- It was built for sale in the U.S.
- It's registered in the U.S.
- It's used in the U.S. and
- It's operated and maintained in the manner described in your Owner's Manual.

3. What's Not Covered

3.1 Modifications Not Covered

A. Some Modifications Don't Void this Warranty but Aren't Covered

Certain changes that you might make to your product do not, by themselves, void this warranty. Examples of some of these changes are:

- Installing non-AquaElite supplied parts, components, or equipment (such as a non-AquaElite supplied Franklin Electric motor, stainless steel fasteners, or fountain nozzles).

But this warranty does not cover any part that AquaElite did not supply. Nor does this warranty cover the cost of any repairs or adjustments that might be caused or needed because of the installation or use of non-AquaElite parts, components, equipment, or materials.

Examples of the types of alterations not covered are:

- Installing accessories – except for genuine AquaElite accessories approved for installation – such as lighting, propeller guards, rock covers, or motors.
- Labor to install or remove any AquaElite product.

B. Modifications That Will Void Your Warranty

Disconnecting, tampering with, or altering the electric control panels will void your warranty, unless you or your repairing technician follows AquaElite 's requirements for repairing or replacing the controls.

Removing and operating AquaElite equipment without AquaElite approved electrical controls will also void this warranty. Using any electric cable, connectors or splices not provided or authorized by AquaElite will also void this warranty.

3.2 Environmental Factors Not Covered

This warranty does not cover damage caused by environmental factors such as, chemicals, and salt. Nor does your warranty cover damage caused by **windstorms, hailstorms, tornadoes, lightning**, **power surges, brownouts, floods, earthquakes, debris and animals.**

3.3 Maintenance Costs Not Covered

This warranty does not cover the cost of repairing damage caused by poor or improper maintenance.
This warranty does not cover the costs of your equipment's normal or scheduled maintenance I.e. annual propeller/impeller replacement, cleaning etc.

3.4 Incidental and Consequential Damages Not Covered

This warranty does not cover any incidental or consequential damages connected with AquaElite products' failure, either while under warranty or afterward. Examples of such damages include:

- Lost time, Inconvenience; The loss of the use of equipment; The loss of personal or commercial property; The loss of revenue; and Delay

3.5 Certain Kinds of Corrosion Not Covered

This warranty does not cover the following:

- Corrosion caused by accident, damage, abuse, or alteration;
- Surface corrosion caused by such things as, sand, salt, stones and barnacles.
- Corrosion caused by the extensive or abnormal exposure of caustic materials like chemicals, acids, and fertilizers.

3.6 Freight:

Warranty shipping charges are to be pre-paid by the owner.
Warranty shipping charges are the responsibility of the owner.

4. How To Get Warranty Service

4.1 Where to Take Your AquaElite Product

AquaElite authorizes you to return your AquaElite products to the factory **upon notification**.
You may contact: AquaElite for return number. DO NOT RETURN without RMA#

CUSTOMER REGISTRATION COPY

Owner Name_____ Model _____

Date Purchased_____ Serial No._____

Owner Address_____ Dealer Name_____

City_____ Address_____

State_____ Zip_____ City_____State_____Zip Code_____

AQUAELITE CORPORATION
REPAIR RETURN FORM

To avoid delays in the repair of equipment in question, it is best to call the factory at 866-471-1614 to determine what portion or portions of the equipment in question should be returned. The fountain or aerator unit itself (that portion that sets down into the hole in the floatation) is to be returned completely assembled. DO NOT DISASSEMBLE ANY PORTION WITHOUT PRIOR AUTHORIZATION!

Shipping costs to and from the factory are the responsibility of the shipper as is the packaging. AquaElite encourages the use of the original shipping container that is UPS approved for this equipment to minimize the possibility of shipping damage. Additional charges will apply if original packaging is not retained.

If the original packaging is not retained and used by the customer, AquaElite will supply replacement packaging (at a nominal charge) upon return of the equipment to the shipper (call for current pricing).

Upon the inspection of returned equipment, whether in warranty or not, contact by AquaElite to proceed with repair will be made to the owner or agent with an explanation of the repairs and charges if any. NO REPAIRS WILL BE MADE UNLESS AUTHORIZED BY THE OWNER OR AGENT. If AquaElite is unable to contact the owner/agent within 30 days after receipt of the equipment for repair, a "signature required" notice will be forwarded to the owner or agent stating that disposal of the equipment will be made 30 days from the date of the notice.

Name_____

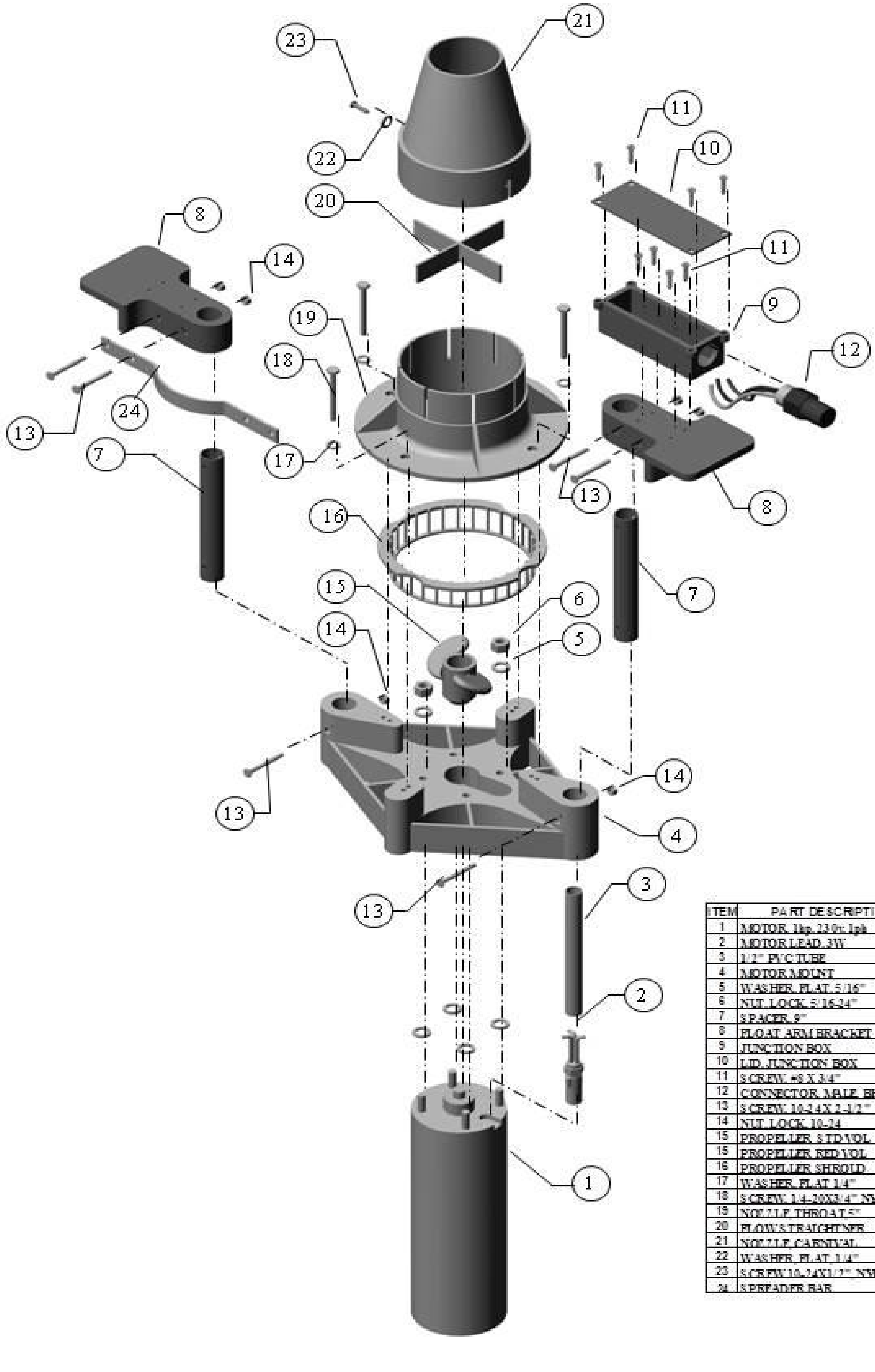
Address_____

Phone_____FAX_____E-Mail_____

E-mail_____Equipment Serial #_____

Comments:_____

PROPELLER PUMP PARTS LIST



ITEM	PART DESCRIPTION	QTY	PART NUMBER
1	MOTOR, 1hp, 230v, 1ph	1	4921450 8061
2	MOTOR LEAD, 3W	1	58152735911
3	1/2" PVC TUBE	16"	15PVC12
4	MOTOR MOUNT	1	04MMFAIM
5	WASHER, FLAT, 5/16"	4	18079025
6	NUT, LOCK, 5/16-24"	4	18078500
7	SPACER, 9"	2	85SP9
8	FLOAT ARM BRACKET	2	22FABIM
9	JUNCTION BOX	1	15JBIM
10	LID, JUNCTION BOX	1	15JBL-FNA
11	SCREW, #8 X 3/4"	4	18318283 7
12	CONNECTOR, MALE, BH	1	15CN32681
13	SCREW, 10-24 X 2-1/2"	6	181024250
14	NUT, LOCK, 10-24	6	18071NML0
15	PROPELLER, STD VOL	1	70PSV49X275
15	PROPELLER, RED VOL	1	70PRV46X275
16	PROPELLER SHROUD	1	70PGFNA
17	WASHER, FLAT 1/4"	4	18079020
18	SCREW, 1/4-20X3/4" NYLON	4	1810100575NP
19	NOZZLE THROAT 5"	1	04NTIM
20	FLOW STRAIGHTNER	1	22FSP18
21	NOZZLE, CARNIVAL	1	04NCIM
22	WASHER, FLAT, 1/4"	2	18079020
23	SCREW 10-24X1/2", NYL	2	18101005501.L
24	SPREADER BAR	2	18SBFNA

Optional Light Kit Installation:

STEP 1 Place float on a flat surface with the molded pockets facing upward (see photo below).

STEP 2 Locate and remove from shipping carton the light assembly with the four (4) light housings. Locate the light housing that has the 12-volt electrical connector (see photo below).

STEP 3 Position the light housing with the 12-volt electrical connector into the float light housing pocket, which has the cable groove which angles toward the Power Pack pocket.

STEP 3A It will be necessary to remove each sealed beam from each light housing. To do so, grip the sealed beam retaining ring tang on the housing that has the 12-volt connector and squeeze to remove. **CAUTION:** The retaining ring is under tension. Use caution upon removal to prevent any sudden release of tension that may pinch or cause flying of the retaining ring from your grasp resulting in injury.

STEP 3B Notice that the float light housing pockets are partially angled and partially horizontal. The horizontal position is for the vertical jet fountain units. The angled position is for the arching spray units. Select which position is appropriate for the unit you ordered and fasten the light housing with the screw provided. Reinstall the sealed beam and secure in place with the retaining ring. Remember to use caution to prevent possible injury from the retaining ring.

STEP 4 Position the remaining three (3) light housings in sequence into the light housing pockets around the float with the electrical cord placed in the cable grooves. Secure each light housing in the same manner as described in Step 3.

Power Pack Mounting:

STEP 5 Place the 12-volt light Power Pack into the 6" wide x 8" long x 2" deep pocket in the corner of the float adjacent to the AquaElite logo and align elongated hole of the Power Pack Mounting Bracket tang Item #12 with the threaded insert nearest the Power Pack pocket and insert the ¾ long ¼ - 20 screw provided into the provided flat washer Item#11. Insert this screw and washer assembly into the tang and tighten securely with a Phillips screw driver.

STEP 6 ***LOCATE THE TUBE OF DIELECTRIC SILICONE GREASE TO BE FOUND IN THIS ENVELOPE.***
Dielectric silicone grease is provided to primarily to assist insertion of the connectors into the appropriate sockets and to secondarily minimize the possibility of moisture intrusion.

STEP 7 Connect the 12-volt electrical cable (small yellow cable) to the Power Pack. Insure that dielectric silicone grease is evident on the connector!

STEP 8 COUNTER WEIGHT: It is necessary to install a counter-weight (supplied) to offset the weight of the Power Pack. Locate the round pocket on the to side of the float (side opposite the transformer pocket) to receive the counter-weight. Secure the counter-weight to the float by the ¼-20 x 1-1/2" hex machine screw supplied with the weight.

STOP AT THIS POINT IF YOU PURCHASED RGBW LIGHTS FOR PROGRAMMING

1A. Before installing the fountain and float into the water, you will want to program the RGBW lights on your phone.

1B. Before programming, connect the shore power cable from the control panel to the input male connector on the transformer power pack. Do not connect the doubled ended connector at this time.

1C. Install the Halco SOLLOs ColorSplash app with your cell phone (must be a smart phone) using App Store or Google Play.

1D. Search for Sollos ColorSplash, click on Halco icon and install app and enable Bluetooth on your phone.

1E. Go to icon on your phone for Halco. You will see instructions on how to set up lights on your screen. These instructions are as follows:

STEP 1 1.1 The first time you log onto the SOLLOS ColorSplash app, you will set up a New Network.

1.2 Create a 4 digit password.

STEP 2 2.1 Turn on power to your lamp
2.2 Click [+] at the top right of the screen to begin scan
2.3 Choose your lamp(s) and click [CONFIRM]
2.4 Click [FINISH

STEP9 Position the fountain float arms into the float arm recesses of the flotation platform so that the junction box of the fountain unit is on the same side of the float as that of the Power Pack.

POWERPACK WIRING CONNECTIONS

BE CERTAIN THE ELECTRIC POWER IS TURNED OFF!.

Place dielectric silicone grease in the female connector socket to be found on one end of the yellow 2 foot interconnecting cable that is to run between the Power Pack and the fountain . The cable (male end) is to be connected at the lighting Power Pack female connector. Hand-tighten no more than one half turn beyond the point that the connector indicates resistance.
At this time insure that dielectric silicone grease is evident in the fountain junction box (male connector). The opposite end of the yellow cable the (female end) is to be connected to the fountain junction box male connector on the fountain. Hand-tighten no more than one half turn beyond the point that the connector indicates resistance.
At this time insure that dielectric silicone grease is evident on the female connector on the power supply cable. You may now safely connect the power supply cable that runs from the fountain controls to the Power Pack.
CAUTION: Do not over-tighten any cable connectors as distortion can occur and cause damage to the connectors.

LIGHT KIT MAINTENANCE

THE POWER PACK IS FACTORY RATED FOR SUBMERGENCE As required in the National Electric Code ARTICLE 680.52 (B2) & 680.10. THE P OWER PACK ENCLOSURE IS SEALED.
DO NOT ATTEMPT TO OPEN OR ATTEMPT TO REPAIR THE POWER PACK. RETURN THE POWER PACK TO THE FACTORY FOR SERVICE OR REPAIR.

The main supply voltage to the fountain equipment is reduced to 12-volts by means of a hermetically sealed transformer within the Power Pack enclosure. There is no maintenance required on the transformer or any of the contents of the power pack enclosure.

AQUAELITE LIGHT KIT
LIMITED WARRANTY

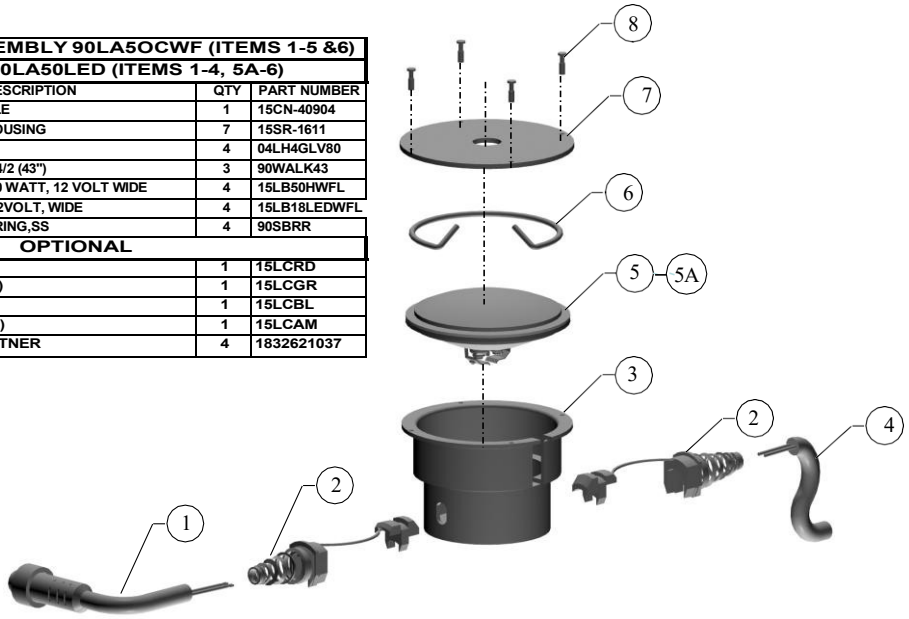
If within one (1) year from the date of purchase, this Low Voltage Lighting fails due to a defect in material or workmanship, AquaElite will repair or replace any unusable or inoperative part if the “POWER PACK” is returned to the factory, freight prepaid, to AquaElite , upon prior notification.

The warranty does not apply to (a) damaged caused by accident, abuse, mishandling, dropping; (b) lighting systems that have been subject to unauthorized repair, opened transformers, taken apart; (c) not used in accordance with instructions; (d) or damages.
AquaElite is not liable for incidental or consequential damages. Some states do not allow a limitation of damage, therefore, the foregoing limitation may not apply to you. This warranty gives you specific legal rights, and you may have other rights that vary from state to state.

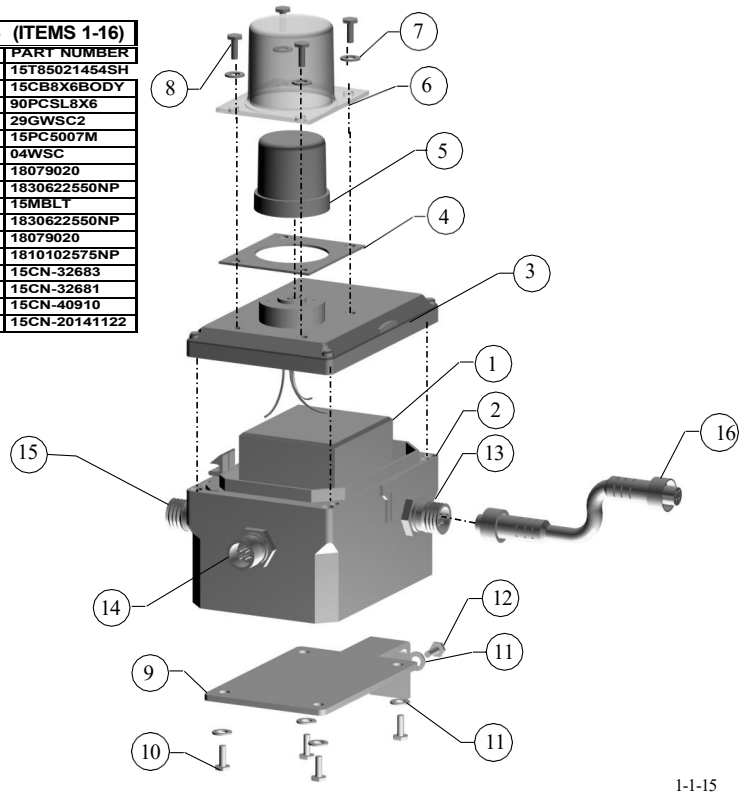
Warranty service is available by contacting your dealer or by contracting the factory before return. If the product is returned for repair, the light kit must be returned prepaid.
This warranty is express or limited and this warranty is made by AquaElite

LIGHT KIT ASSEMBLY PARTS LIST

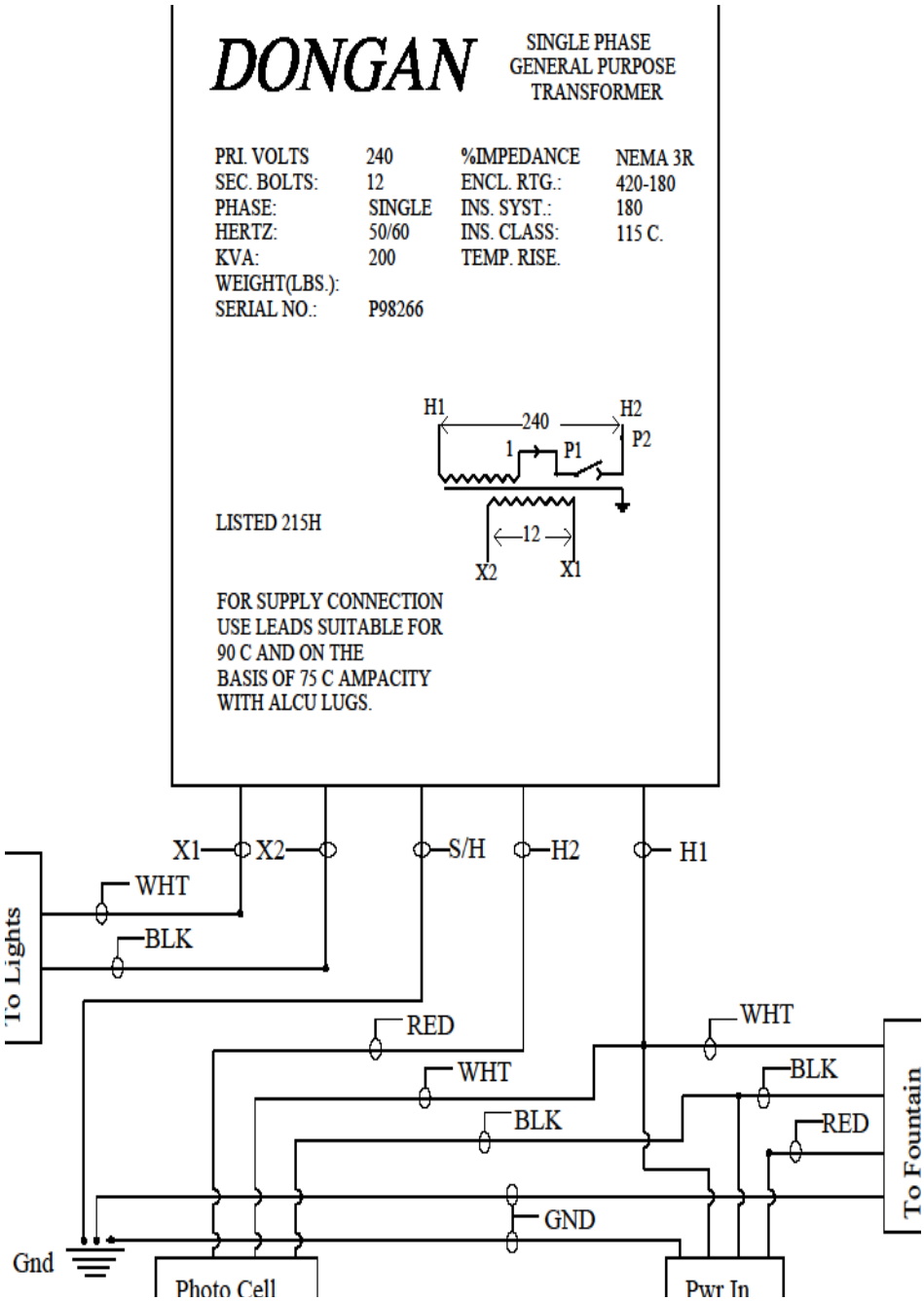
LIGHT STRING ASSEMBLY 90LA5OCWF (ITEMS 1-5 &6)			
LIGHT STRING LED 90LA50LED (ITEMS 1-4, 5A-6)			
ITEM	**PART DESCRIPTION**	**QTY**	**PART NUMBER**
1	CONN., BH.,12-VOLT, MALE	1	15CN-40904
2	STRAIN RELIEF LIGHT HOUSING	7	15SR-1611
3	LIGHT HOUSING,GLV80	4	04LH4GLV80
4	WIRE ASSY. LIGHT KIT, 14/2 (43")	3	90WALK43
5	HALOGEN SEAL BEAM 50 WATT, 12 VOLT WIDE	4	15LB50HWFL
5A	SEAL BEAM, LED, 18W, 12VOLT, WIDE	4	15LB18LEDWFL
6	SEAL BEAM RETAINING RING,SS	4	90SBRR
OPTIONAL			
7	LENS COVER (RED)	1	15LCRD
7	LENS COVER (GREEN)	1	15LCGR
7	LENS COVER (BLUE)	1	15LCBL
7	LENS COVER (AMBER)	1	15LCAM
8	LENS RETAINING FASTNER	4	1832621037



LIGHT TRANSFORMER ASSEMBLY 90TXA230306 (ITEMS 1-16)			
ITEM	**PART DESCRIPTION**	**QTY**	**PART NUMBER**
1	TRANSFORMER,230V,200VA	1	15T85021454SH
2	ENCLOSURE,8X6X4	1	15CB8X6BODY
3	PHOTO CELL SOCKET W/LID	1	90PCSL8X6
4	GASKET, WATER SHIELD COVER	1	29GWSC2
5	PHOTO CELL	1	15PC5007M
6	WATER SHIELD COVER	1	04WSC
7	WASHER, 1/4", FLAT	4	18079020
8	SCREW. HHCS, 1/4-20X1/2, NYLON PATCH	4	1830622550NP
9	POWER PACK MOUNTING BRACKET	1	15MBLT
10	SCREW,1/4-20X1/2", W/NYL. PATCH	4	1830622550NP
11	WASHER, 1/4", FLAT	4	18079020
12	SCREW,1/4-20X3/4",W/NYL. PATCH	1	1810102575NP
13	CONN.,BH,FEMALE,3W,240V	1	15CN-32683
14	CONN,BH,MALE,3W,240V	1	15CN-32681
15	CONN,BH,FEMALE,12V	1	15CN-40910
16	QD DBL END MALE, 48", BLACK	1	15CN-20141122



1-1-15


DONGAN
SINGLE PHASE
GENERAL PURPOSE
TRANSFORMER
PRI. VOLTS 240
SEC. BOLTS: 12
PHASE: SINGLE
HERTZ: 50/60
KVA: 200
WEIGHT(LBS.):
SERIAL NO.: P98266
%IMPEDANCE NEMA 3R
ENCL. RTG.: 420-180
INS. SYST.: 180
INS. CLASS: 115 C.
TEMP. RISE.
H1
240
H2
1
P1
P2
12
X2
X1
LISTED 215H
FOR SUPPLY CONNECTION
USE LEADS SUITABLE FOR
90 C AND ON THE
BASIS OF 75 C AMPACITY
WITH ALCU LUGS.
X1
X2
S/H
H2
H1
To Lights
WHT
BLK
RED
WHT
BLK
WHT
BLK
RED
To Fountain
GND
Gnd
Photo Cell
Pwr In