

**Note: 1**

Recommended Fuses for 230 V Single Phase Drive Controller 30 amp class CC (or class J) FLA motor rating 30 amps

Run 230 Volt single phase from main branch or load side of time clock to fuse block

Disconnect switch and branch circuit protection to be provided by installer. Do not use GFCI circuit breakers for motor current

Maximum connection capacity: AWG 10

Tightening Torque: 8.9 in-lb

**Power Terminals**

You can access the power terminals without opening the cover., The drive controller has through wiring--the line supply is at top of the drive controller >(R/L1--S/L2) single phase 230V, and the motor power supply is at the bottom (U/T1--V/T2--W/T3).

Maximum 75 deg C copper conductors only.

Note: Connect the power terminals before connecting the drive control

# IKERIC VS PUMP PANEL UL TYPE 3R

**All Speeds are factory pre-set**

LSP (low speed) is for filtration and should not be changed without first contacting an IKERIC representative. Low Speed is set at 20 Hz (1150 RPM) and must always be the lowest setting.

**To change speeds on drive control**

Push the down arrow until SP2, SP3 or SP4 appears on the display. Push ENT (enter) key once, use the up/down arrows to change value, push ENT once to enter value, press ESC (escape) two times to exit program.

**Never Exceed 60.0**

SP2 (medium speed) is for cleaning

SP3 (high speed) is for water feature or solar

SP4 (boost speed) is for spa jets

**Smart Controller**

Each push of the button Changes to the following

**Button # 1**

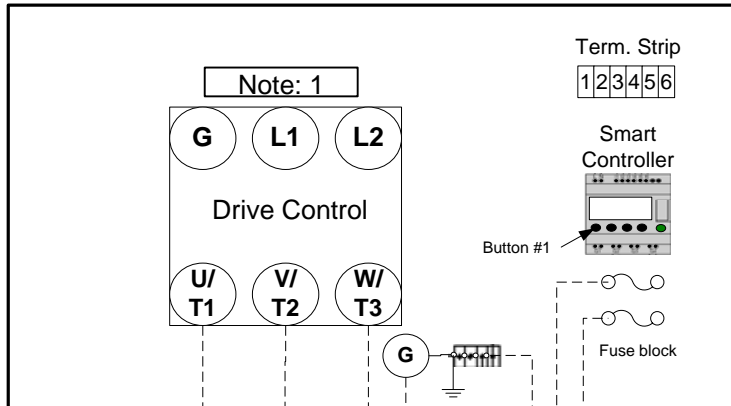
Pool Program Mode  
Spa Program Mode  
Water Feature  
Spa/Water w/Control  
Dancing Water

**Button # 2**

Dancing Water  
Prog. # 1 (Fast)  
Prog. # 2 (Slow)  
Prog. # 3 (Fast/Slow)

**Button # 3**

Speed 1  
Speed 2  
Speed 3  
Speed 4  
Time on 2 hrs  
Timed off 2 hrs  
System Off

**The motor wiring is as follows:**

**Wire #4. 5 & 6 are to be wire nutted together.**  
**Wire # 1 & 7 go to U/T1--- # 2 & 8 go to V/T2---**  
**# 3 & 9 go to W/T3 on the bottom of drive controller**

**CAUTION** should be used when installing the controller on the side of the house as it may interfere with the operation of some electrical equipment within a 5 foot radius. Examples: AM radios, intercoms, etc. If using **X10 automation**, do not use PLW01 (dimming) modules. Use XPS2 or XPS3 modules.

**Important:** Looking at the back end of the motor the shaft should turn clockwise when pump is turned on. If it is turning counter clockwise, turn off pump and wait 30 seconds, then switch any (2) of the (3) lead wires coming into the motor & recheck rotation.

**Improper rotation will cause impeller damage.**

To maintain UL Type 3R use rain tight wet location conduit hubs complying with UL 514B