

# 1

## Ezcirc Installation Instructions

**A WORKING CIRCULATION PUMP MUST BE INSTALLED PRIOR TO THE EZCIRC DEVICE INSTALLATION.**

**THE EZCIRC CONTROLLER WILL REPLACE TIMERS, SWITCHES, BUTTONS, Wi-Fi OR RF DEVICES PREVIOUSLY INSTALLED.**

Ezcirc is a multi-function circulation pump controller including a timer, activation flow switch, and 3 parameter programs to choose from. Installation is easy for plumbers and DIY alike.

In the box:

1. Ezcirc control box with a 0 volt pigtail
2. Flow Switch 0 volt
3. Power Supply cord 110v
4. 2 Screws and 2 Wire Nuts
5. User's Manual and installation instructions

Helpful videos are posted on ezcirc.com website.

### TOOLS NEEDED

1. Soldering equipment
2. Large adjustable end wrench.
3. Channel locks
4. Phillips head screwdriver
5. Wire cutter/strippers

### ADDITIONAL MATERIALS YOU MAY NEED

1. Stainless steel water heater flex connector
2. 3/4" brass coupling
3. 2x22 gauge multi strand wire and extra wire nuts
4. Teflon tape
5. 3/4" copper FM Adapter
6. 3/4" copper tubing

**A stainless steel corrugated flex supply is recommended to act as a service union for the supplied flow switch. Hard pipe connection on both sides is not recommended and will void the warranty.**

# 2

## EZCirc Timer/Pump Switch

The Ezcirc timer is easily set to the duration you choose and activates by quickly turning any hot tap ***on and off***. This will send power to your circulation pump until the programmed time expires. Use the existing operational circulation pump as is and remove any existing control features. This timer improves and simplifies the concept of hot water circulation by replacing the push button or radio frequency and other methods of pump activation and is not intended to replace 24/7 power to the pump.

The Ezcirc timer provides a simple solution to the ever-increasing challenge to conserve energy and resources without sacrificing the comforts we have grown so accustomed to. Forget about running wires for push buttons to remote areas in your home. No more searching for the RF remote before stepping into the shower. No need to use your smart phone to open an app to activate a smart plug.

### Installing your Ezcirc timer:

1. First, Shut off the water feeding the water heater and install the flow switch (FS) on the cold water line supplying the water heater after the shut off valve. You will need to connect to a Female NPT (USA) threaded copper adapter supplying the water heater or install a 3/4" brass coupling. Flow direction is marked on the FS and must be mounted in a horizontal position with the metal plate on top. If mounted vertically (on the hot side above a tank type WH or on the cold side under a tankless WH) more GPM will be required and is not recommended. However, if you have enough GPM to lift the flapper inside the flow switch it will work. The FS uses a flapper that is similar to a check valve. A WH flex connector must be used to connect the FS on at least one side. **HARD PIPING THE FLOW SWITCH WILL VOID THE WARRANTY AND MAKE IT DIFFICULT TO SERVICE.**
2. Mount the Ezcirc timer close enough to a 110v power source and the FS. An extension cord may be required. The pigtail attached to the timer has 2 wires that need to be connected to the FS. They do not carry voltage. Wire nuts and screws are supplied. There are also 2-110v receptacles on the timer opposite the cable. One for plugging in the box to a power source and another to plug in your circulation pump. Cord is included.
3. Plug in the timer and pump then proceed to "SETTING UP YOUR Ezcirc TIMER". CHECK FOR LEAKS.

MANUFACTURED IN THE USA BY Ezcirc LLC  
1854 CARRIAGE LANE FALLBROOK CA 92028  
(760)594-1226 ezcirc.com

### 3 SETTING UP YOUR EZcirc TIMER

#1	#2	#3	#4 (BUTTON NUMBER)
O	O	O	O (4 BUTTONS LOCATED BELOW THE WINDOW)

#1: Turns on display light + Turns the timer on and off + it is also used to change the time parameters (seconds or minutes) when in SET mode.

#2: SET BUTTON: Hold down for 5 seconds and release to enter the parameter adjustment mode. Push again to choose which parameter to adjust. Adjustments can be made with #3 and #4 when parameter is blinking. Push and hold again for 5 seconds to set and exit the parameter adjustment mode.

#3: UP BUTTON: INCREASE parameter

#4: DOWN BUTTON: DECREASE parameter

#### IMPORTANT PARAMETER OPTION INFO:

\*The bottom left parameter needs to read **P1, P3 or P7. Preset to P1-5 Mins.**

\***P1** is a basic timer. The countdown begins uninterrupted when you turn the water on.

\***P7** FS must be installed out of the hot loop. Starts the timer when the running water is turned off. It is a continuous cycle that will only end when the timer finally reaches the end of its duration. So, when the water is on in the **P7** mode, the timer is in “set and hold” position and starts when the water is shut off. This setting is popular with families that take back-to-back showers and are a few minutes apart. Or if you do a lot of laundry that requires hot water you can set the timer to P7 – for the minutes required to keep the water circulating between wash cycles.

\***P3**: After activating the pump in **P3** mode, Turning the faucet on and off again will shut the timer off. \*The P1, P3 and P7 modes are all activated by turning the hot tap ON. After the tap is turned off, the pump will continue to run until the time expires.

#### IMPORTANT TIMER OPTIONS INFO:

\***The top timer bar (0000) needs to have 3 dots (0.0.0.0) This will set your timer to minutes. Adjust this by pushing #1 when blinking until you have the 3 dots.**

\***To change the timer setting push #3 to Increase or #4 to Decrease the desired minutes when [0.0.0.0] is blinking.**

\***Please note that the P7 perimeter setting must have the FS installed outside of the circulating loop.**

\***Why does the timer turn on and off too soon?** Answer: Make sure you have 3 dots on the top parameter. (0.0.0.0). Other settings will be for Seconds, 1/10th Seconds, 1/100th Seconds.

\***How is the light activated manually?**

Answer: When the light is off, bush button #1

### 4 Ezcirc LLC

What started out as an idea to fill a need in the plumbing trade, soon became a solution that homeowners sought. Dale Anderson of Water Heaters Plus in Fallbrook CA thought surely the concept that he had in his mind must be out there somewhere. But sure enough it wasn't. After consulting with his colleague and friend Brian Branson they worked together to create Ezcirc, a simple switch mechanism that is activated by water flow giving the homeowner the ability to engage a circulation pump for a preset amount of time from just about anywhere in the home thus replacing: preset timers, radio frequency signals, push buttons, smart phone apps and plugs and others. Now any plumber can offer a device that gives the homeowner the ability to “flip the switch” from anywhere there is a hot tap. Ezcirc LLC was founded by plumbers and our timer is Made in America, assembled in Fallbrook CA. The best part is its simplicity. Easy and quick to install and operate.

Please read the installation instructions.

Installation and operation must comply with local codes and regulations.

Patent Pending, U.S. Pub. No. 2023/0116017

#### **Limited Warranty**

Please read the installation instructions.

Installation and operation must comply with local codes and regulations.

Ezcirc products including models EZ75, EZ100, EZFS75, EZFS100 Manufactured by Ezcirc LLC are warranted only to the original user to be free of defects in materials and workmanship for a period of 1 year from the date of purchase or the manufacturing date, whichever is longer, the manufacture date shall not exceed 36 months prior. Ezcirc will be liable under this warranty which shall be limited to repairing or replacing at the option of Ezcirc LLC without charge at the Ezcirc facility. Ezcirc LLC will not be liable for costs of removal, installation, shipping, damages to property including but not limited to damage due to abnormal operating conditions or use, misuse, improper installation or any other charges which may arise in connection with the warranty claim. To obtain service under this warranty the product must be returned to the factory for repairs or replacement. Other options may be authorized by the manufacturer. Proof of purchase must be provided by the original purchaser by copy of the dated purchase receipt or manufacture date stamp. Any defective product returned to our facility must be sent freight prepaid to the manufacturer, with documents supporting the warranty claim. Ezcirc LLC will not be liable for any incidental or consequential damages, losses or expenses arising from installation, use, or any other uses. There are no express or implied warranties including merchant ability or fitness for a particular purpose, which extended beyond those warranties described or referred to above. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damage and some jurisdictions do not allow limitations on how long implied warranties may last Therefore the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights which vary from jurisdiction to jurisdiction.

**MANUFACTURED IN THE USA BY Ezcirc LLC**  
**1854 CARRIAGE LANE FALLBROOK CA 92028**  
**(760)594-1226 ezcirc.com**