

September 2016  
Tech Write up - Version 2.35



## ES1PP

### Installation Instructions

(Single Phase—Motor Direct)



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1-866-99-SATIC  
[www.saticusa.com](http://www.saticusa.com)

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# Installation instructions for Satic 1Φ - Saver Box (ES1PP)

Please read this sheet prior to installation of the Satic 1Φ - Saver

## Installation Instructions:

1. Cut the power to the equipment using the primary disconnect or circuit breaker in the distribution panel.
2. Remove the equipment controller panel to expose the controller & contactor. Locate the contactor, determine the wire termination method. This will often be a female blade connector or bare wire landing, equipment varies.
3. Determine the load side and line side (source) of the contactor, turning on the power to the equipment may be required.
4. **NOTE:** Do not attempt to attach the Satic ES1PP to live electrical feeds, there will certainly be sparking and possible equipment damage.
5. Mount the ES1PP in a proper location, follow safety and electrical codes.
6. With the electricity off, secure the two leads (red and black wires) on each leg of the "load side" of the contactor using a proper termination technique.
7. Test the equipment and unit functions. When the contactor is "ON" a blue light on the module inside the Satic box will be illuminated, when the contactor is "OFF" the blue light on the Satic box will **not** be illuminated. If the blue light is always on, the Satic Saver has been installed on the line side (source side) of the contactor.
8. Reinstall the equipment cover and turn on the main power. The ES1PP will now function with the cycling equipment / motor.
9. If the light remains off, check the connections and then call customer support at 1-866-99-SATIC.

## **WARNING**

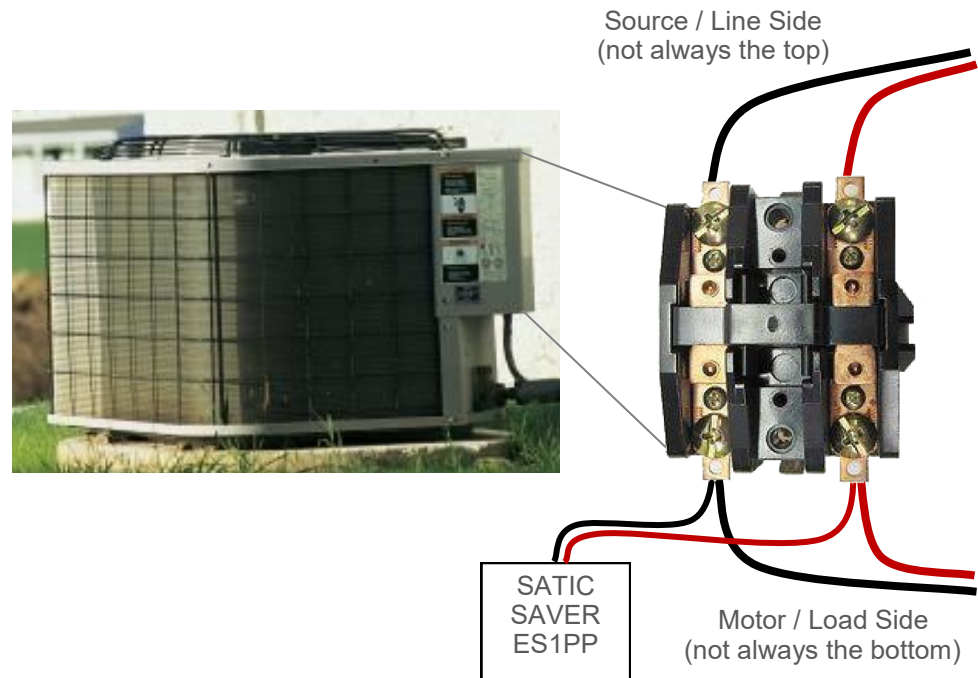
**HAVE YOUR SATIC PRODUCT INSTALLED BY A LICENSED ELECTRICIAN. INSTALLING ELECTRICAL EQUIPMENT MAY RESULT IN SHOCK, SERIOUS INJURY, OR EVEN DEATH.**

**WARNING — ELECTRICAL SHOCK MAY OCCUR, DO NOT OPEN. THERE ARE NO SERVICEABLE PARTS.**



## Locations and Information:

1. The ES1PP is a full synergistic conditioner and is designed to be installed at the load side of electrical starter or motor contactor.
2. The ES1PP is designed for applications such as pumps, fans, air conditioners, heat pumps, etc.
3. The ES1PP is designed to condition non-linear inductive loads, eliminate electrical disturbances and assist motor startup which can reduce electrical current demand.
4. The ES1PP core unit is a UL certified assembly and can be installed internally if space inside of the equipment allows or mounted externally as it comes with a NEMA box.
5. The ES1PP should be installed by a licensed electrician / technician.
6. The ES1PP is commonly enclosed in a NEMA 3X box allowing it to be installed indoors or outdoors, but it CANNOT be installed underwater.



## - Warranty -

The Satic ES1PP has a warranty from date of installation. Please fill out the warranty card completely and return it after installation is complete.