

# REDUCED VOLTAGE SOFT STARTER

## QUICK START GUIDE



MOTOR SOFT STARTER | 208 V – 460 V  
MOTOR PROTECTION | REDUCES INRUSH CURRENT

# SOFT STARTER

## INTRODUCTION

Phase Technologies Soft Starter reduces inrush current and mechanical stress during startup, extending the life of your equipment. The SS Series ensures a gentle ramp-up to full motor speed—minimizing wear, improving reliability, and enhancing overall system performance and longevity.

**TOOLS NEEDED FOR ASSEMBLY:** Tools will range from #2 Philips screwdriver, T20 Torx, allen keys, and large and small flathead screwdrivers.

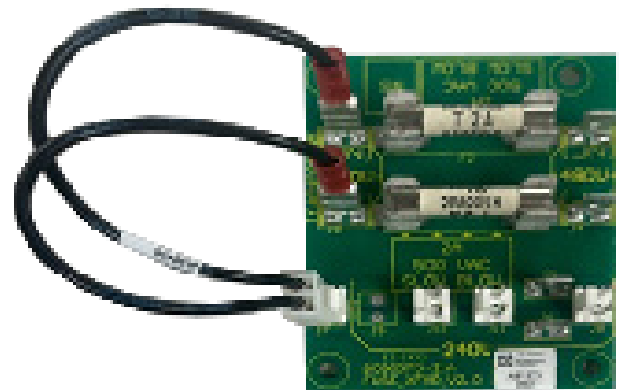
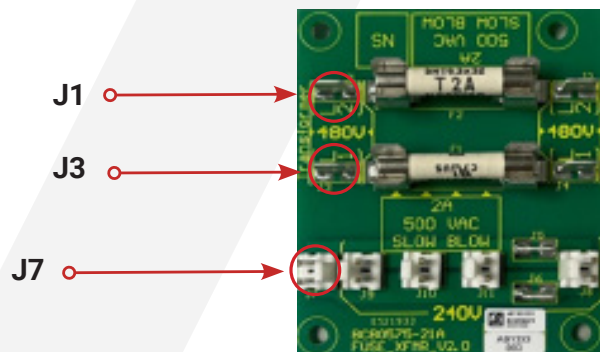


### BEFORE OPERATING SOFT STARTER at 230 VAC:

By default, Phase Technologies Soft Starters are wired for 480 V and require modification for use on 230 V circuits.

#### To rewire for 230 V:

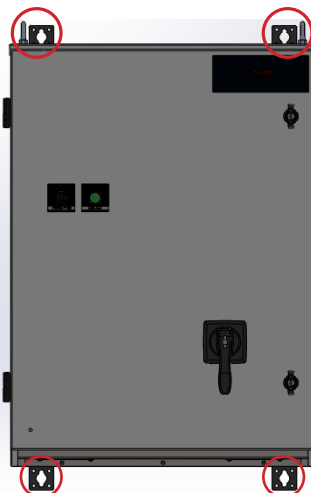
1. Locate the fuse board (shown below). Some models have a removable panel on the side for fuse access.
2. Disconnect the wires landed on J1, J3, and J7 terminals and set aside, and secure away from electrical components.
3. Use the cable assembly found in the packaging and land the 2-pin connector on J7.
4. Next connect one of the wires to J1 and the other wire to J3. (Orientation does not matter.)



### Step #1

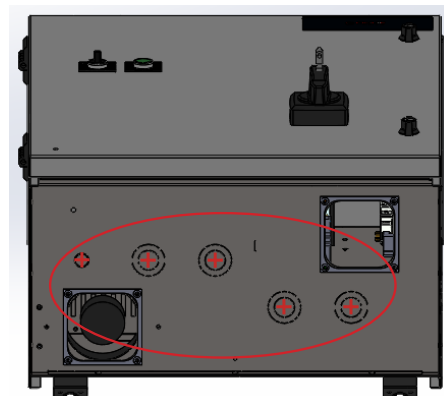
Mount to a solid, non-flammable surface capable of supporting the weight of the unit, using the mounting brackets provided.

Ensure air intake and exhaust openings are not obstructed. If mounted in a small room or cabinet, ensure temperature will remain below 55° C / 131° F.



### Step #2

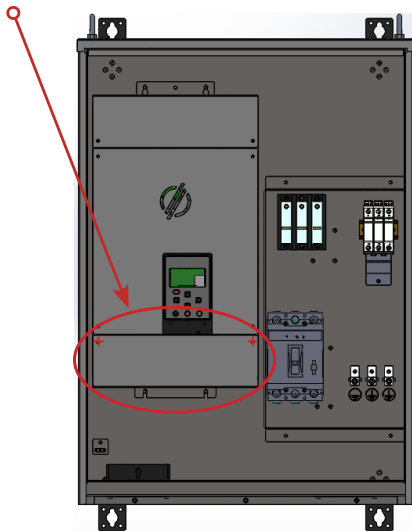
Route cables through the supplied openings in the bottom of the enclosure, using appropriate conduit or strain relief devices.





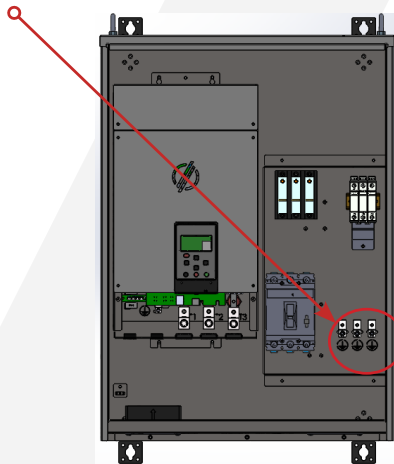
### Step #3

Remove panel located under keypad.



### Step #4

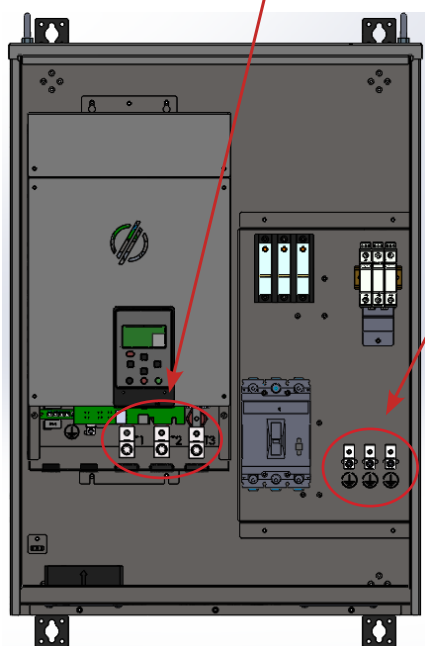
Properly ground the Soft Start according to local electrical code.



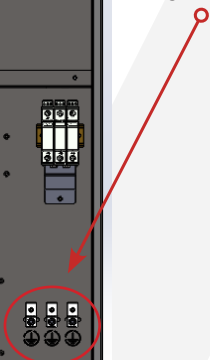
\*There are only two ground lugs when circuit breaker option is not present.

### Step #5

Install the three load side conductors into the output terminals labeled T1, T2, and T3 under the panel you previously removed.



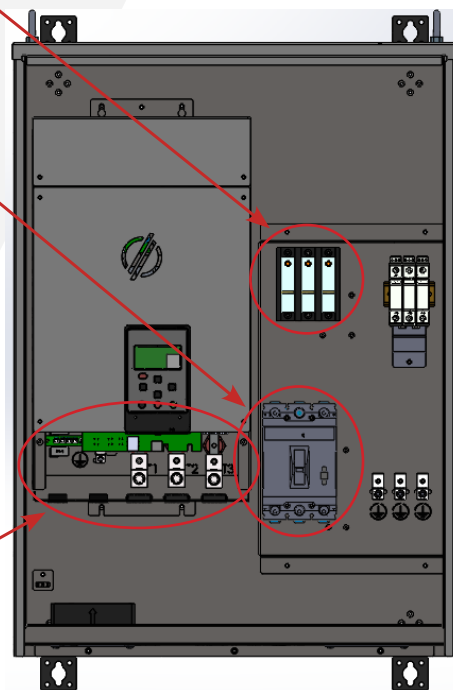
Connect the load side ground conductor into the grounding terminal.



### Step #6

Connect the line side input leads into the terminal labeled L1, L2 and L3.

Or the input breaker if your panel is configured with a breaker.



Replace the previously removed panel.



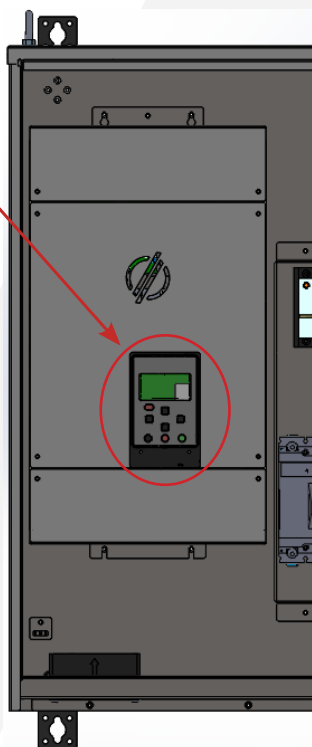
# Reduced Voltage Soft Starter- Quick Start Guide

## Step #7

The graphic display will scroll through several start-up sequence messages.

### ⚠ IMPORTANT:

If the 1.2.1 ENABLE RESTARTS parameter is set to allow restarts, the soft starter will initialize in AUTO mode and the motor will run when control signals call for a motor run condition. To prevent the motor from running at start-up, immediately after initialization, press the STOP/OFF key until OFF appears on the display or open AUX1 or AUX2.



## Step #8

The Setup Wizard selection will be shown upon the first initialization of the Soft Starter and can be accessed through the keypad at any time by scrolling through the Main Menu Items to the 9 SETUP WIZARD menu.

The Setup Wizard allows you to quickly setup commonly used control schemes. See the following table for Setup Wizard walkthrough.

PROMPT	DESCRIPTION
Press <b>Enter</b> to Begin	Press the " <b>Enter</b> " key to go through the wizard.
Voltage Selection	Select the intended operating voltage. Select 230 V for 208 V operation.
Motor Full Load Current	Base setting used by all other current-based parameters.
Select Preset	Starting preset for various load types. Will change start up and shut down parameters to match expected load.

Using the keypad and display, navigate to the Main Menu item, **AUTO RESTART PARAMETERS - 1.2.1 ENABLE RESTARTS**. This parameter enables the soft starter to initialize in AUTO mode and to restart automatically after a fault. Factory default allows auto restarts.

For all operating parameters refer to the manual.  
[www.PhaseTechnologies.com/Support/SS](http://www.PhaseTechnologies.com/Support/SS)



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