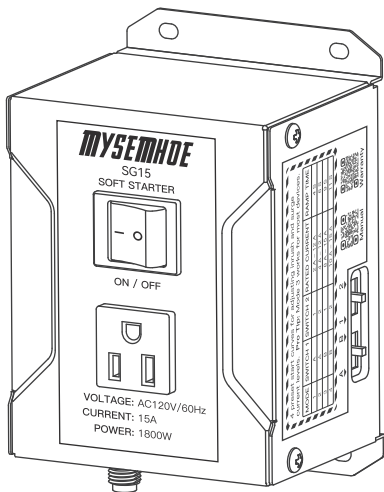


MYSEMHDE



SG 15

SOFT STARTER

USER MANUAL

Please read this manual before operation.

WARNING

- This soft starter is not intended to reduce overall current consumption but is capable of reducing peak starting current levels in certain applications. It is designed to reduce inrush current spikes; however, a current surge may still exist during motor acceleration.
- This soft starter model is not compatible with air compressors, air conditioners, dehumidifiers, or most variable speed motors.
- Not recommended for induction motors with high inertia load.
- Not compatible with air conditioners.
- The theoretical ramp time of this soft starter is approximately 4 seconds.
- Capacitor start induction motors must be at full speed within 5 seconds of being switched on.
- If your induction motor takes longer than 5 seconds to reach full speed, discontinue use of Soft Starter immediately.
- Indoor use only.

COMPATIBILITY

Compatible with most non-digital, low-inertia, mechanically-switched 120V motor applications. Application factors such as actual inverter ratings, starting current requirements, duration of starting current, etc. will affect overall performance.

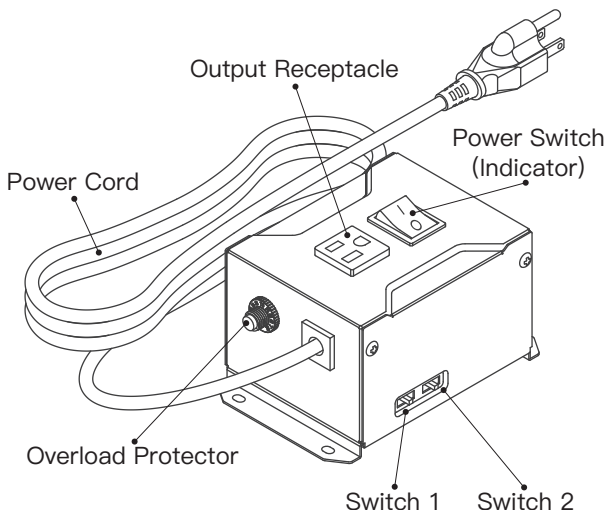
Tools with induction motors are not suitable for this soft starter. These are typically found on most stationary machines. If they are wired for 220V or can be rewired for 220V, they are induction motors.

DESCRIPTION

This plug-and-play soft starter is designed for mechanical switches, low-inertia startup loads(e.g., chainsaws, cutting machines, electric drills, pumps, grinders).

By dynamically regulating output current until detecting target demand current and gradually increasing voltage supply through patented software algorithms, it effectively reduces or eliminates inrush current spikes, mitigates electrical accidents and fire risks, while extending equipment service life.

OVERVIEW



SPECIFICATIONS

VOLTAGE: 120V/60Hz AC

MAXIMUM CURRENT: 15 A

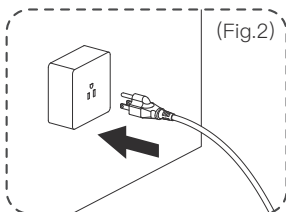
POWER CORD: 14AWG – 3ft (1 m)

DIMENSIONS: 6"L × 4"W × 3.5"H

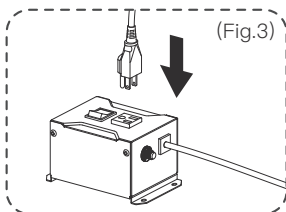
WEIGHT: 2 lbs

INSTRUCTIONS

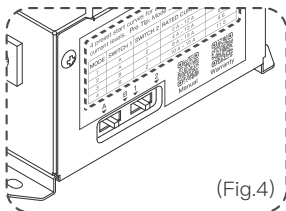
1. Insert the soft starter's power cord into a 120V AC outlet. (Fig.2)



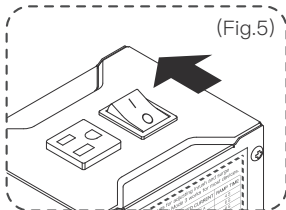
2. Connect the controlled device to the output receptacle of the soft starter. (Fig.3)



3. Select appropriate starting mode (refer to "Starting Modes" section). (Fig.4)



4. Turn ON the power switch, the indicator illumination confirms output activation. (Fig.5)



STARTING MODES

The soft starter offers 4 modes to adjust inrush and surge current levels for broader application coverage.

There are 2 switches on the side of the soft starter. Adjusting the switches changes the starting mode. The default setting is Mode 3(Switch 1: B, Switch 2: 1).

Select the mode based on your equipment's rated current. (refer to Table 1)

MODE	SWITCH 1	SWITCH 2	RATED CURRENT	RAMP TIME
1	A	1	2 A – 12 A	4 S
2	A	2	4 A – 12 A	6 S
3	B	1	8 A – 15 A	9 S
4	B	2	10 A – 15 A	11 S

(Table 1)

TROUBLESHOOTING

1. Device fails to start:

Verify equipment's rated current. If below 8A, set to Mode 1 (Switch 1: A, Switch 2: 1).

Make sure your device does not have a low-voltage contactor or electronic circuit controlling it.

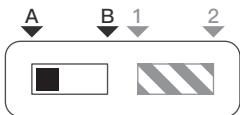
Test with incandescent lamp, gradual brightness increase indicates normal soft starter operation.

2. Circuit breaker still trips with soft starter:

Although the soft starter mitigates inrush current spikes, the surge current may still exceed the circuit breaker's tripping threshold. Alternatively, the issue could stem from a faulty or derated circuit breaker.

If the circuit breaker trips almost immediately when the motor is energized, this may be caused by excessive inrush current. Set Switch 1 to position B. (refer to Fig.6)

If the circuit breaker trips while the motor is accelerating, this may be due to excessive inrush current. Set Switch 2 to position 2. (refer to Fig.7)



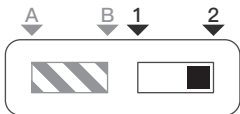
(Fig.6)

Switch 1: position A

More inrush current, quicker motor start.

Switch 1: position B

Less inrush current, slower motor start.



(Fig.7)

Switch 2: position 1

More surge current, 4 second ramp time.

Switch 2: position 2

Less surge current, 6 second ramp time.

WARRANTY

We offer a 1 year warranty to cover manufacturer defects.

We provide 100% satisfaction service as well as best premium quality product, if you have any problem about the product, please contact us freely.



www.mysemhoe.com

support@mysemhoe.com

Monday to Friday

8:00 am to 7:00 pm PST