Hyper ENGINEERING

9000 Conservation Way
Fort Wayne, IN 46809
www.hypereng.com

PH: (877) 304-0724
FAX: (877) 799-3947
sales@hypereng.com

Sure-Start 6

Soft Starter with Leads - 115 Volt @ 60Hz

Model #SS6S0.5-1.75-USL-115V

This soft starter model functions only as a soft starter; a contactor is still required. This model's design may be used across a range of applications

Mount using provided mounting bracket. Minimum end use enclosure size: 10" x 8" x 6".

Fitting

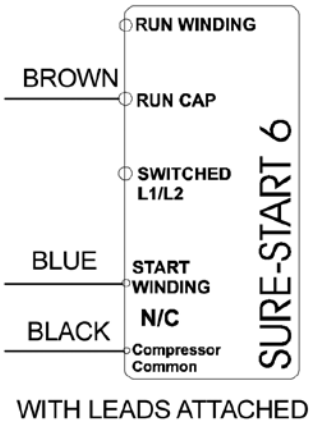
Use the existing Compressor Run Winding lead to connect the soft starter. Use a similar sized lead for the switched L2 connection.

Operation

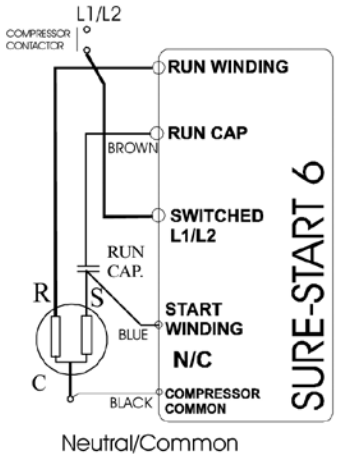
The contactor must first operate. This initiates the starting sequence that has a 1 second delay. The soft starter uses internal monitoring to determine the point that the motor is up to speed and then switches out of the start mode. It then monitors the motor's status.

Should the motor not start (due to back pressure, etc.), the start sequence is terminated after 1 second. The soft starter then forces a 5-minute delay and then tries again. The compressor stops when the contactor opens.

This soft starter has low voltage detection. If the voltage is less than **98 volts**, no start will be attempted. When running, if the voltage falls below **95 volts**, the motor will be shut down.



WITH LEADS ATTACHED



Neutral/Common

CAUTION: The Run Winding is not connected to the Run Capacitor. Run Capacitor is usually 40 to 60 uF.

WARNING: Remove all other starters, eg. PTC, hard starters. Do not swap the Run and Start Windings. OPENING OF THE SOFT STARTER UNIT WILL VOID THE WARRANTY!

NOTE: The Start Capacitor is built into the soft starter.

Field Wiring Terminals

Wire Range:	6 to 8 AWG Cu, stranded, for output terminal (Run Winding and Switched L1 or L2) 12 to 16 AWG Cu, stranded for input terminals (Run Cap, Start Winding, and Compressor Common, these are supplied)
Tightening Torque:	10.5 lbs-in. output terminals (large terminals) 4.5 lbs-in. input terminals (small terminals)

Suitable for use on a circuit capable of delivering not more than 500 rms symmetrical amperes, 240 volts maximum, when protected by a non-time delay RK5 fuse or circuit breaker rated 80A, or time delay fuse rated 70A.