



3 Series

Three Wire Mechanical Potential Relay Hard Starts

For Professionals who prefer OEM-Style 3-Wire Installation

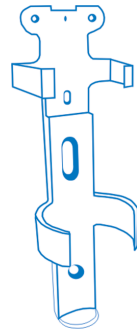
The 3 Series Hard Starts provide the service professional with an OEM option when the application calls for a hard start. Combining a potential relay and start capacitor the 3 Series provides a True 3-Wire solution.

Benefits

- Voltage Sensing
- Instant Re-start
- 35 Amp Relay Contacts
- Quick Installation with **EZ Snap Bracket**
- 2 Year Warranty

Applications

- All 208/ 240 V Single Phase Compressors
- Scroll compressors
- Reciprocating compressors
- Can be used with Single or Dual Run Capacitors



EZ Snap Bracket

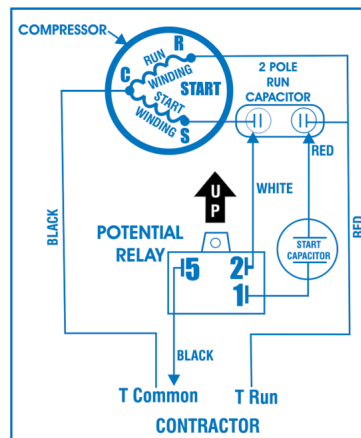


PART NO.	APPLICATION	VOLTAGE	CAPACITOR (330 V)	REPLACES 5-2-1
3W1	1 – 3 hp	208/ 240 VAC	88 – 108 uF	CSRU1
3W2	3.5 – 4.5 hp	208/ 240 VAC	189 – 227 uF	CSRU2
3W3	4 – 5 hp	208/ 240 VAC	270 – 324 uF	CSRU3

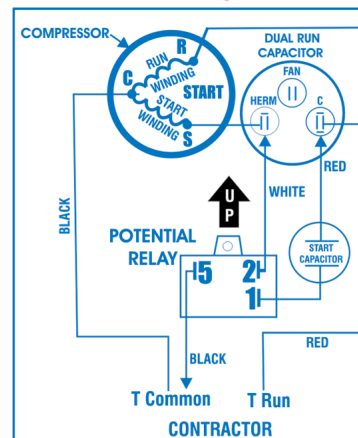


Installation Diagram

2 Pole Run Capacitor



Dual Run Capacitor





CHOOSE SUPCO for ALL of your Hard Start needs:

SPP Series for reliable, field proven, UL recognized PTC style Hard Start Kits

- Economic
- Easy 2-wire Installation

PART NO.	VOLTAGE	APPLICATION	TORQUE INCREASE
SPP5	90 – 277 VAC	1/2 to 10 hp	300%
SPP6	90 – 277 VAC	1/2 to 10 hp	500%
SPP7S	90 – 277 VAC	1/2 to 10 hp	600%



“E” Class for Electronic Potential Relay (EPR) style Hard Start Kits

- Voltage Sensing
- Instant Re-start
- Easy 2-wire Installation

PART NO.	VOLTAGE	APPLICATION	CAPACITOR SIZE (μF)
SPP5E	170 – 277 VAC	1/3 to 2 hp	43 to 52
SPP6E	170 – 277 VAC	1/2 to 3 hp	88 to 106
SPP8E	170 – 277 VAC	1 to 10 hp	189 to 227



ULTRASTART 2-wire Mechanical Potential Relay Hard Starts

- OEM Approved Technology
- Voltage Sensing
- Instant Re-start
- Easy 2-wire installation
- 2 Year Warranty

PART NO.	APPLICATION	CAPACITOR SIZE	REPLACES
MPR5	1 to 3 hp	189-277μF; 330V	Kickstart® TO-5
MPR1	3.5 to 5 hp	270-324 μF; 330V	Kickstart® KS-1
MPR8	1 to 3 hp	108-130 μF; 330V	Kickstart® KS-8
MPRM1	Maneurop	233-280 μF; 250V	Kickstart® MP-1



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