

# AC HARD STARTS

Your Source For All Hard Starts



## ULTRA Series

### 2-wire mechanical potential relay hard start

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

For further information refer to Product Sheet F441/F416

PART NO.	APPLICATION	CAPACITOR SIZE	REPLACES
MPR5	1 to 3 hp	189-277 $\mu$ F; 330V	Kickstart® TO-5
MPR1	3.5 to 5 hp	270-324 $\mu$ F; 330V	Kickstart® KS-1

## 3 Series

### 3-wire mechanical potential relay hard start

- Voltage Sensing
- Instant Re-Start
- 35 Amp Relay Contacts
- 208 / 240 Volts
- Includes EZ Snap Bracket for quick installation

For further information refer to Product Sheet F441



PART NO.	APPLICATION	CAPACITOR SIZE ( $\mu$ F)	REPLACES
3W1	1 – 3 hp	88 – 108 $\mu$ F	CSRU1
3W2	3.5 – 4.5 hp	189 – 227 $\mu$ F	CSRU2
3W3	4 – 5 hp	270 – 324 $\mu$ F	CSRU3



## SPPE 'E Class' SERIES

### Electronic Potential Relay Technology

Economical Potential Relay, with the comfort of a backup safety.

#### Features / Benefits

- Electronic Potential Relay
- Backup electronic timing circuit to protect the compressor
- Voltage sensing
- Instant Re-Start
- Easy 2 - wire installation
- Can be used on PSC and CSIR type compressors
- 170 - 277 VAC

For further information refer to Product Sheet F441



PART NO.	APPLICATION (hp)	CAPACITOR Size ( $\mu$ F)
SPP6E	1/2 – 3	88–106
SPP7E	1 – 4	130–156
SPP8E	1 and up	189–227

## SPP SUPER BOOST SERIES

### PTC Technology

The "Original" 2-wire Hard Start. The fastest selling Hard Start Kit. Provides field proven reliability.

#### Features / Benefits

- Positive Temperature Coefficient Relay Technology (PTC)
- Field proven reliability
- Easy 2 – wire installation
- Most economic
- 90 - 277 VAC

For further information refer to Product Sheet F441



PART NO.	INCREASE IN TORQUE (%)
SPP5	300%
SPP6	500%
SPP7S	600%

## USR

### Universal Starting Relay with Capacitor for Commercial Refrigeration

#### Features / Benefits

- For compressors from 1/2 hp thru 5 hp
- Pre-wired for easy installation
- Potential Relay Technology

