



“The Current Advantage”

**Increases
Compressor
Starting
Torque
Up To
500%**



Features

- Operates from 95-288 VAC
- OEM approved
- Patented current sensing circuitry
- Self-adjusting to voltage fluctuation
- Solid-state circuitry
- Easy to install, 2 wires, clips, or screws
- Boosts starting torque
- Disengages upon start

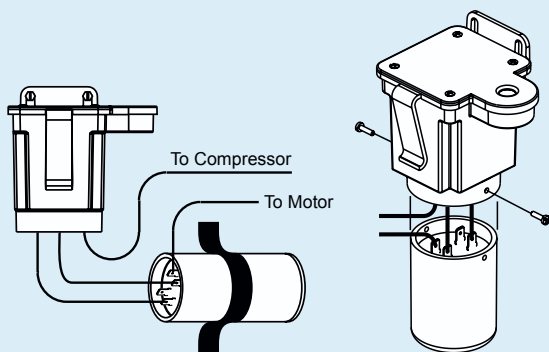
Mode of Operation

By monitoring the compressor “current” upon start-up, the Rapid Start is able to engage the hard start capacitor for precisely the correct amount of time, ensuring maximum starting torque without the risk of supplying too much current into the start winding.

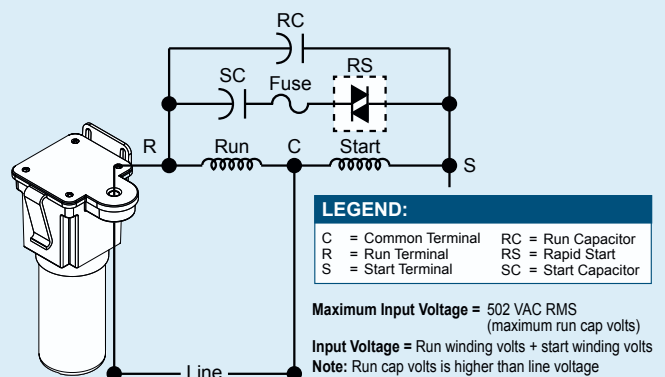
A timed safety circuit is provided in the event the motor fails to start within 2 seconds.

Current sensing hard start precisely increases starting torque.

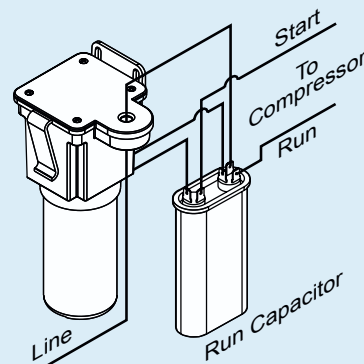
Adaptable for Tight Fits



Wiring Diagram



System Diagram

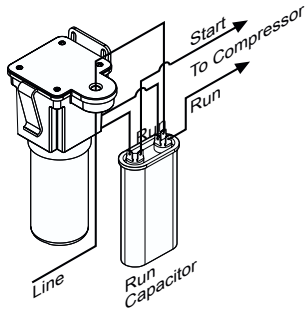


Ordering Information

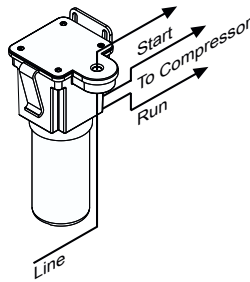
- ICM803** - Ideally suited for 1/12 thru 3 HP
- ICM805** - Ideally suited for 1/12 thru 5 HP
- ICM810** - Ideally suited for 3 1/2 thru 10 HP

Assorted Wiring Configurations

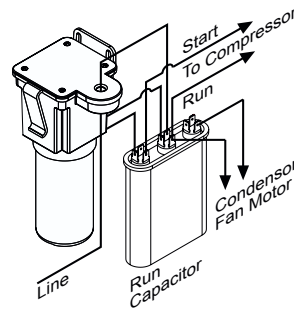
PSC Units



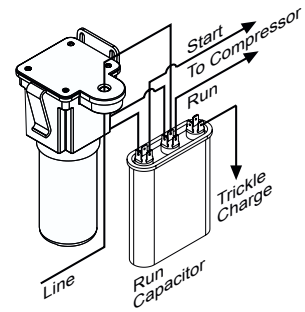
Capacitor Start Induction Run



Double Capacitor

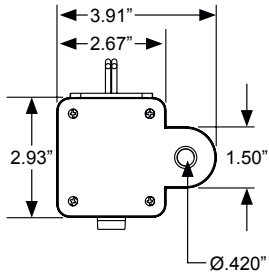


Off Cycle Heat

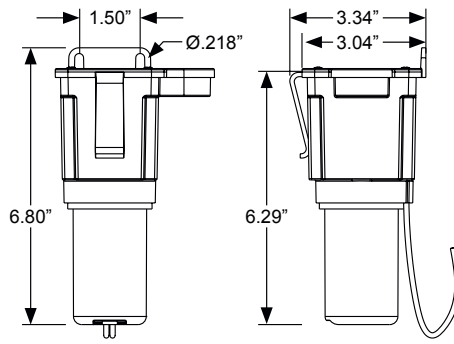


Dimensions

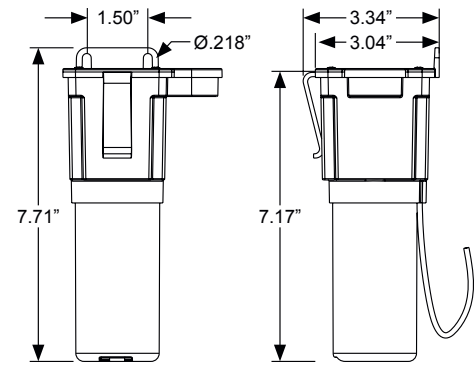
Universal top for ICM803, ICM805 and ICM810



ICM803 and ICM805



ICM810



HARD START

DIFFERENTIAL CURRENT RELAY

ICM RapidStart®

POTENTIAL RELAY

Kickstart

Conventional 3-Wire Relay Capacitor Kit

SOFT START

PTCR DEVICES

GEMLINE HS600 & HS650
MARS 32701 & 32702
ROBERTSHAW 600-052 & 600-057
SUPCO SPP5, SPP6, SPP7
WATSCO WSX-5, WSX-6

TIMING DEVICES

SUPCO SPP8
WATSCO WSX-1

Self Adjusting	YES	NO	NO	NO	NO
Uses Current Differential Technology	YES	NO	NO	NO	NO
Uses Potential Motor Start Relay	NO	YES	YES	NO	NO
Two Wires, Non-Polarized	YES	YES	NO	YES	YES
Recycles Instantly	YES	YES	YES	NO	NO
Senses Whether Motor Started or Not	YES	YES	YES	NO	NO
Replaces 3-Wire Relay and Capacitor Kit	YES	YES	N/A	NO	NO
UL Recognized #E118867	YES	YES	YES	NO	NO
Timing Circuit Device	NO	NO	NO	YES	YES
Safety Cut-Off	YES	NO	NO	NO	NO
Affected by Ambient Temperature	NO	NO	NO	YES	YES
Factory Calibration	NO	YES	YES	YES	YES
Voltage Sensitive	NO	NO	NO	YES	NO
PTCR Device	NO	NO	NO	NO	YES
Fuse	YES	NO	NO	NO	NO