Made in USA

ICM803 ICM805 ICM810
Rapid Start Series



"The Current Advantage"

Increases Compressor Starting Torque Up To

500%



803



805



810

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

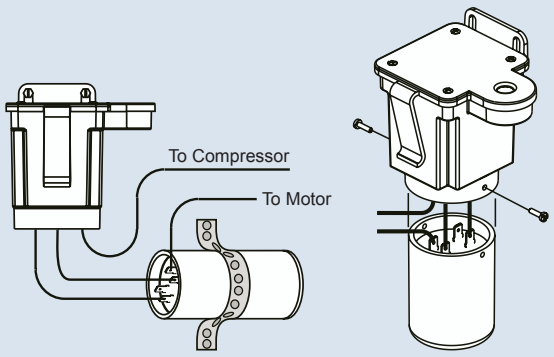
Mode Of Operation

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.

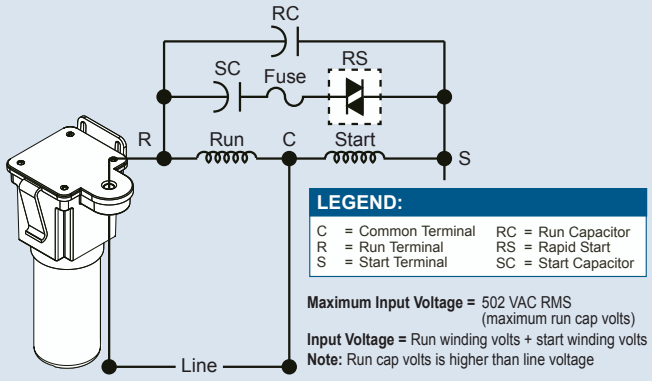
A timed safety circuit is provided in the event the motor fails to start within 600 ms.

Current sensing Hard Start precisely increases starting torque.

Adaptable for Tight Fits



Wiring Diagram



LEGEND:

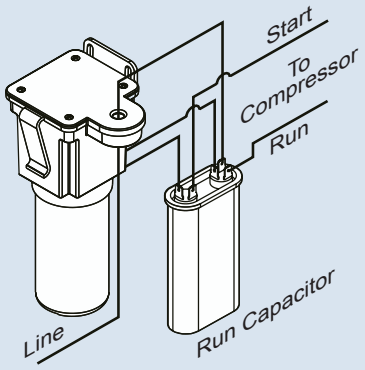
C	= Common Terminal	RC	= Run Capacitor
R	= Run Terminal	RS	= Rapid Start
S	= Start Terminal	SC	= Start Capacitor

Maximum Input Voltage = 502 VAC RMS (maximum run cap volts)

Input Voltage = Run winding volts + start winding volts

Note: Run cap volts is higher than line voltage

System Diagram



Ordering Information

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

LIS64

All features and specifications subject to change without notice.

Phone 315.233.5266

Application Assistance 800.365.5525
visit us at: www.icmcontrols.com

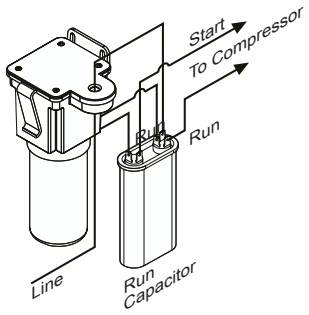
Fax 315.233.5276

ICM CONTROLS

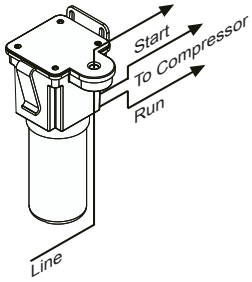
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Assorted Wiring Configurations

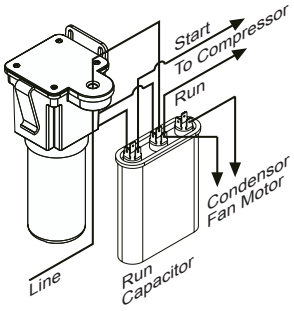
PSC Units



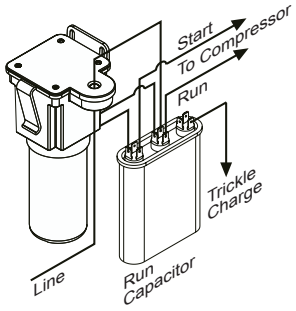
Capacitor Start Induction Run



Double Capacitor

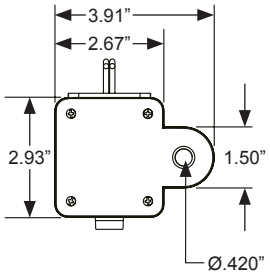


Off Cycle Heat

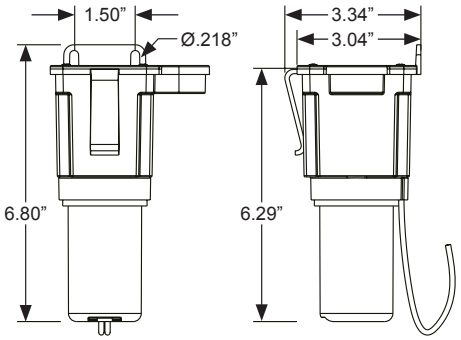


Dimensions

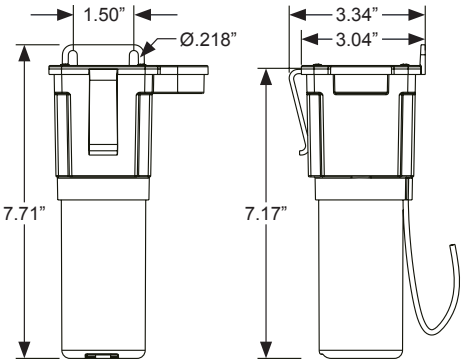
Universal top for ICM803, ICM805 and ICM810



ICM803 and ICM805



ICM810



ICM CONTROLS™	HARD START			SOFT START	
	DIFFERENTIAL CURRENT RELAY	POTENTIAL RELAY		PTCR DEVICES	TIMING DEVICES
	ICM RapidStart®	Kickstart	Conventional 3-Wire Relay Capacitor Kit	GEMLINE HS600 & HS650 MARS 32701 & 32702 ROBERTSHAW 600-052 & 600-057 SUPCO SPP5, SPP6, SPP7 WATSCO WSX-5, WSX-6	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*

ICM CONTROLS™