

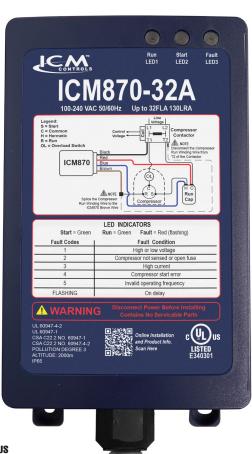
ICM870-32A

Soft Start



APPLICATIONS:

APPLIANCE | ELECTRICAL | HVAC/R | MARINE | POOL & SPA | RV





OVERVIEW

ICM870 Series soft starters are intended for use in Residential, Commercial, RV and Marine applications. Using a soft start in a backup power storage application provides several benefits including:

- Reduces the initial inrush current necessary to start a motor/ compressor. Reducing the excessive electrical draw from the power source, in turn allows for the use of a smaller generator or backup battery system.
- 2) Minimizes stress on the connected equipment by gradually ramping up the power output, reducing the risk of voltage spikes and equipment fatigue. This increases the overall lifespan of the A/C unit and backup power equipment via reduced wear and tear.
- 3) Dimming of household lights and the loud banging noise when the Air Conditioner starts up is often significantly reduced.

FEATURES

- ▼ Reduces in-rush current/draw necessary at startup by up to 70%
- ▼ Prolongs the life of A/C by reducing excessive torque, wear and tear
- Reduces loud noises, light flickering, and breaker trips
- ▼ Built-in dynamic start delay
- ▼ Built-in self-learning algorithm
- √ Over-current protection
- √ Over/under voltage monitoring
- ▼ Built-in start capacitor
- **✓** LED fault indicators
- ▼ Ultrasonically sealed tamper-proof enclosure
- ✓ Installation hardware is included

SPECIFICATIONS

- Inputs: L1 & L2
- Nominal voltage: 120 VAC, 240 VAC
- Over voltage limits: 240 VAC nominal = 264 VAC
- Under voltage limits: 120 VAC nominal = 95 VAC, 240 VAC nominal = 195 VAC
- Outputs: Compressor
- **Current:** Maximum nominal = 32A
- Over current limits:
 - ICM870-32A = 40A
- **Operating temperature:** -40°F to 131°F (-40°C to 55°C)
- Storage temperature: -40°F to 149°F (-40°C to 65°C)
- **Humidity:** 0-95% non-condensing
- Enclosure: IP65
- **Dimensions:** 7.94" x 4.20" x 2.10"

REPLACES

The **ICM870A-32A** replaces the amperage-corresponding models from the following manufacturers:

Dometic (SmartStart)

Hyper Engineering (Sure-Start)

Micro-Air (EasyStart)

Network RV (SoftStartRV)

Carlo Gavazzi (SmoothStarter)

Content and specifications on sell sheets subject to change without notice.



