ICM870-32A
Soft Start

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

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"

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:

1) 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.

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.

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MADE IN AMERICA

LIS512