ICM870-9A/16A

Soft Start

Scan to see a full specifications, installation and agency certification information.

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



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OVERVIEW

The **ICM870** is intended for marine, recreational vehicle (RV), residential and commercial applications. The **ICM870** integrates compressor or motor in-rush current over startup time, thus reducing peak current demand on a power supply source, such as a generator.

The **ICM870** will monitor system health including voltage, current, compressor startup and self integrity. Upon a fault condition, the **ICM870** will halt operation and initiate a 4-minute anti-short cycle routine while providing diagnostic fault information by means of an LED indicator.

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
- √ Built-in dynamic start delay
- √ Reduces loud noises, light flickering, and breaker trips
- √ 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:** 120 VAC nominal = 140 VAC, 240 VAC nominal = 264 VAC
- **Under voltage limits:** 120 VAC nominal = 95 VAC, 240 VAC nominal =195 VAC
- **Outputs:** Compressor
- **Current:** Maximum nominal = 9A and 16A
- **Over current limits:**
  - ICM870-9A = 11.25A
  - ICM870-16A = 20A
- **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/Type 4X
- **Dimensions:** 7.94" x 4.20" x 2.10"

REPLACES

The **ICM870-9A** and **ICM870-16A** models replace 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.