

# ICM870-9A/16A Soft Start



RV

#### **APPLICATIONS:**

#### APPLIANCE |

# CE | ELECTRICAL | HVAC/R | MARINE | POOL&SPA |



#### **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 amperagecorresponding 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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