



APPLICATIONS:

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

Note: Pending agency approvals



FEATURES

- ✓ Starting current reduction & self-learning algorithm
- ✓ Built-in start capacitor
- ✓ Over/under voltage monitoring
- ✓ Over-current protection
- ✓ Diagnostic indicators
- ✓ Sealed enclosure

SPECIFICATIONS

- **Inputs:** L1 & L2
- **Nominal voltage:** 120 VAC, 240 VAC
- **Over voltage limits:** 120 VAC nominal = 140 VAC 240 VAC nominal = 250 VAC
- **Under voltage limits:** 120 VAC nominal = 95 VAC 240 VAC nominal = 195 VAC
- **Outputs:** Compressor
- **Current:** Maximum nominal = 9 A, 16A Absolute maximum = 22 FLA, 84 LRA
- **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:** 7.63" x 3.19" x 2.13"

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 generator or other.

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 3 minute anti-short cycle routine while providing diagnostic fault information by means of an LED indicator.

REPLACES

- **Dometic Smart Start:** Models 340582 and 340583