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

ICM450A



ICM450A PLUS+



Stop Motor Burnouts!

For more than two decades, ICM has been an innovator and a recognized leader in the manufacturer of line voltage controls designed to protect your most valuable equipment. The ICM450A and ICM450A PLUS+ are the latest 3-phase offerings, providing superior motor protection from premature failure and damage caused by common voltage faults such as phase unbalance, over/under voltage, phase loss and phase reversal.

A design upgrade from our flagship ICM450, these newest models feature an easy to read, backlit display that makes quick work of adjusting the variable settings to better tailor the unit to the application. Common 1/4" spade terminations eliminate the potential for exposed wires and allow for a better and safer connection. Both models also include menu options for English and Spanish readouts.

Additionally, the ICM450A PLUS+ offers a real time clock for date and time stamp of fault events when they occur along with a Modbus RS485 communications port for communicating with a standard building management system.

Both the ICM450A and ICM450A PLUS+ are proudly manufactured in the USA by ICM Controls.

FEATURES

	ICM450A	ICM450A PLUS+
✓ Backlit LCD	●	●
✓ Simultaneous 3-phase true RMS voltage monitoring	●	●
✓ Factory calibrated	●	●
✓ 3-phase voltages simultaneously displayed on LCD	●	●
✓ Fault memory	●	●
✓ Fault monitoring: High / low voltage, voltage unbalance, phase loss, phase reversal	●	●
✓ Real time clock, date and time stamped events		●
✓ Simple configuration	●	●
✓ Fully adjustable variables	●	●
✓ Modbus RS485 communications		●
✓ LED indicators	●	●
✓ Common 1/4" quick connect terminations	●	●
✓ English or Spanish menu options	●	●

SPECIFICATIONS

INPUT:

- **Line Voltage:** Universal, 190-600 VAC
- **Frequency:** 50-60 Hz
- **Load Side Monitoring:** Optional
- **Control Voltage:** 18-240 VAC

OUTPUT:

- **Type:** Relay, SPDT
- **Voltage Range:** 277 VAC @ 6A maximum

CONTROL OPERATING TEMPERATURE

- **Operating Temperature:** -40°F to +149°F (-40°C to +65°C)
- **Storage Temperature:** -40°F to +185°F (-40°C to +85°C)

MECHANICAL:

- **Mounting:** Surface mount using (2) #8 screws
- **Terminations:** 1/4" quick connects
- **Weight:** 12 ounces (341 grams)
- **ModBus:** RS485 Communication (ICM450A plus+)
- **Dimensions:** 6.5" x 4.75" x 1.09"

ORDERING INFORMATION:

- **ICM450A:** Supersedes ICM450
- **ICM450A PLUS+:** Supersedes ICM450, ICM455

REPLACES

- **A-1:** EAC-800, EAC-8000, EAC-8002
- **Mars:** PFM-2000
- **Time Mark:** 265
- **Copeland:** 085-0160-00
- **Motorsaver:** 455
- **Wagner/DiversiTech:**
- **Diversified:** AC-2020, AC-301, AC-302
- **SSAC:** QLM, QLV
- **DTP-3, WPC-800**