ICM450A & ICM450A PLUS+

Programmable 3-Phase Line Voltage Monitors

Scan for full specs, app guides, wiring & more

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

ICM450A





ICM450A PLUS+

c UL us LISTED E53944

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 ¼" 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 ¼" 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:** -40ºF to +149ºF (-40ºC to +65ºC)
- **Storage Temperature:** -40ºF to +185ºF (-40ºC to +85ºC)

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