



APPLICATIONS:

DATA CENTER / ELECTRICAL / HVAC/R / MARINE / POOL & SPA / RV

OVERVIEW

The ICM492DX continuously monitors incoming line voltage for faults and displays RMS voltage on the digital display. When the line voltage is appropriate, the ICM492DX will close the COM and N.O. relay contacts. When the incoming line voltage is outside of the user selected parameters, the ICM492DX will close the COM and N.C. relay contacts and indicate a fault condition by flashing the fault LED. The SELECT menu has the following user adjustable settings: delay on break, over voltage, under voltage, delay on fault, reset mode, control mode and language. The delay on break prevents short cycling caused by faults and rapid power interruptions. The delay on fault time can be adjusted to help reduce nuisance trips from faults. When the control mode setting is turned on, the ICM492DX will close the COM and N.O. relay contacts only when the control voltage is present at the signal terminals.

FEATURES & BENEFITS

- ✓ Protects against over and under voltage, and rapid short cycling caused by transient faults and power interruptions
- ✓ Improved backlit digital display, easy to read in low light conditions
- ✓ Re-designed buttons for increased durability
- ✓ New micro-processor for improved accuracy
- ✓ Displayed voltage calibration feature to match the RMS value of a voltmeter
- ✓ Adjustable anti-short cycle time delay
- ✓ Adjustable response time
- ✓ Control mode (optional)
- ✓ 50-fault memory
- ✓ Universal line voltage input
- ✓ Heavy duty SPDT relay output
- ✓ Universal control voltage input (for integrating a thermostat)

REPLACES

- **Wagner / DiversiTech:** DSP-1
- **ICM Controls:** ICM491, ICM492C, and ICM492D



SPECIFICATIONS

USER ADJUSTABLE SETTINGS:

- **Delay on Break (ASC):** 15-720 seconds
- **Over voltage:** 90-300VAC (default 252VAC)
- **Under voltage:** 70-280VAC (default 228VAC)
- **Delay on fault:** 0 to 10 seconds
- **Reset mode:** 0 (auto) - 10 attempts
- **Control mode:** OFF-ON
- **Language:** English/Spanish

INPUTS:

- **Line voltage:** 80-300VAC
- **Control voltage:** 18-240VAC
- **Frequency:** 50/60 Hz
- **Accuracy:** $\pm 2\%$
- **Low power consumption:** maximum 50 mA @ 120V, maximum 100 mA @ 240V

OUTPUTS:

- **Type:** Relay (Dry contact Form C)
- **Form:** SPDT
- **Relay contact ratings:**
 - **N.C. contacts:** 2A @ 277V General Purpose
 - **N.O. contacts:** 1A Pilot Duty @ 240V
- **Connection terminals:** 0.25" quick connects

MECHANICAL:

- **Case dimensions:** 3"L x 3.2"W x 1.35"H
- **Unit weight:** 0.36 lbs.

ENVIRONMENTAL:

- **Operating temp. range:** -40°C to + 65°C
- **Storage temp. range:** -40°C to + 85°C