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information.

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

## OVERVIEW

The ICM492D continuously monitors incoming line voltage for faults and displays RMS voltage on the digital display. When the line voltage is appropriate, the ICM492D will close the COM and N.O. relay contacts. When the incoming line voltage is outside of the user selected parameters, the ICM492D will close the COM and N.C. relay contacts and indicate a fault condition by flashing FAULT on the display. The SELECT menu has the following user adjustable settings: voltage set point, 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 transient faults and rapid power interruptions. The delay on fault time can be adjusted to help reduce nuisance trips from transient faults. When the control mode setting is turned on, the ICM492D 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
- ✓ Adjustable voltage set point
- ✓ 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)
- ✓ 5-fault memory
- ✓ Universal line voltage input
- ✓ Heavy duty SPDT relay output
- ✓ Universal control voltage input (for integrating a thermostat)

## REPLACES

- **Wagner / DiversiTech: DSP-1**



## SPECIFICATIONS

### USER ADJUSTABLE SETTINGS:

- **Voltage set point:** 95-280V
- **Delay on Break (ASC):** 15-720 seconds
- **Over voltage setting:** 5-25%
- **Under voltage setting:** 5-25%
- **Delay on fault:** 0 to 10 seconds
- **Reset mode:** 0 (auto) - 10 attempts
- **Control mode:** OFF-ON
- **Language:** English/Spanish

### INPUTS:

- **Line voltage:** 80-300V
- **Control voltage:** 18 to 240V
- **Frequency:** 50/60 Hz
- **Accuracy:** ± 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" male fast-on

### 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

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