



## Reduce Inventory! Wire-For-Wire Replacement For All Standard Potential Relays!

For any single phase motor application  
up to 10 HP...

ICM's new Universal Motor Starting Relay incorporates patented differential voltage sensing and a non-positional mounting configuration to offer a single replacement for all standard potential relays. Great way to reduce inventory. Ideal for A/C, commercial refrigeration, heat pump or any single-phase motor application up to 10 HP.



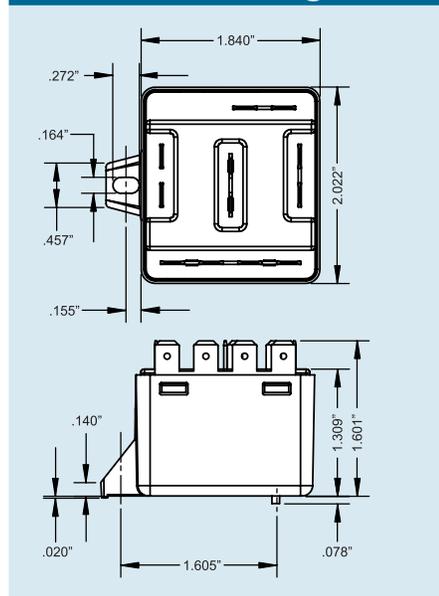
### Features

- Replacement for all standard potential relays
- Patented differential voltage sensing
- No user-adjustments required
- Non-positional mounting configuration
- 30A and 50A switching capabilities
- Universal mounting bracket for easy installation
- .250" quick connect termination
- Safety timer
- Approvals: UL, CSA, cUL pending
- Ordering Info: UMSR30 (30A), UMSR50 (50A)

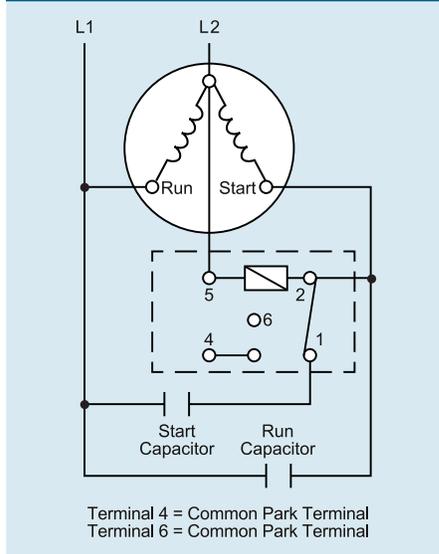
### Specifications

- General:**
- Input:**
- Voltage Rating: 110-270 VAC, Single Phase
  - Maximum Voltage Contact Rating: 502 VAC (absolute)
- Motor Power Rating:** Up to 10 HP
- Operating Position:** Non-positional
- Safety Time Out:** Approximately 1-second per 100 microfarads
- Consumption:** 5VA max.
- Insulation:** Class B (130°C); Conforms to IEC 1000- standards (6kV impulse / 6kV contact)
- Life Expectancy (minimum operations)**
- Mechanical:  $1 \times 10^5$
  - Electrical:  $1 \times 10^5$  at 16A 400VAC  
 $5 \times 10^5$  at 35A 400VAC (break only)  
 $5 \times 10^5$  at 50A 400VAC (break only)
- Contacts:**
- Contact Rating:** 30A (break only), 400 VAC  $\cos \phi = 0.7$  to 0.8  
50A (break only), 400 VAC  $\cos \phi = 0.7$  to 0.8

### Dimension Diagrams



### Standard Wiring Diagram



### Alternative Reduced Arcing Configuration

