

# Solid State Relay 24-480VAC

This solid state relay is designed for electric air conditioners, fans, and refrigerators. It provides reliable switching for HVAC&R applications.



## ADDITIONAL IMAGES



## Product Overview



A robust solid state relay designed for switching control in air conditioners and refrigeration systems.

### High-Performance Solid State Relay

This SSR-90DA series solid state relay is designed for reliable switching in demanding HVAC&R applications, including electric air conditioners, fans, and refrigerators. Featuring a semiconductor-based design, it offers faster switching speeds, a longer operational lifespan, and silent operation compared to traditional electromechanical relays. The unit is built for durability with high dielectric strength and integrated LED work instructions for easy status monitoring.

## Key Performance Metrics

### Performance Highlights

**480 VAC**

Max Load Voltage

**2500 VAC**

Dielectric Strength

**10 ms**

Max On-Off Time

## Electrical Specifications



Compact design offering long operational life and silent switching.

Load Voltage Range	24~480VAC
Control Voltage	3-32VDC
Control Current	DC 4-25mA
On-state Voltage Drop	d1.5
Off-state Leakage Current	d8A
Insulation Resistance	1000M $\Omega$ / 500DC

## Physical & Environmental



Engineered for reliable operation in fans and refrigerators with CUL safety certification.

Dimensions (LxWxH)	62mm x 45mm x 23.5mm
Unit Weight	132 g
Operating Temperature	-30 to +75
Mounting Method	Bolting

## Features & Certifications



Various configurations including three-phase and high-current models suitable for industrial HVAC&R.

### Compliance & Certifications

CE • CUL • UL

### Available Current Ratings

10A, 15A, 20A, 25A, 30A, 40A, 60A, 75A, 80A, 90A, 100A

### Status Indicator

Integrated LED