

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 Ω / 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