

# DC Insulation Monitoring Relay with LCD Display

This DC insulation monitoring relay features an LCD display for easy reading of measured values and alarm status. It provides continuous monitoring of insulation resistance, ensuring the safety and reliability of electrical installations.



## Overview

### Professional DC Insulation Monitoring

The ZJJ-4SA is a high-precision static circuit relay designed for real-time monitoring of DC busbar insulation. It utilizes a bridge balance method to provide direct, quantitative grounding resistance measurements via an integrated LCD display. This reliable solution helps prevent insulation degradation in critical infrastructure such as power plants, UPS systems, and electric vehicle charging stations.

## Electrical Specifications

### Operating Voltage Range

- ZJJ-4SA-220: 180-300V
- ZJJ-4SA-110: 90-150V

### Power Supply Current

10 mA

## Performance Metrics

### Key Performance Metrics

**199.9 KΩ**

Resistance Measurement Range

**100 KΩ**

Alarm Setting Range

**5 %**

Measurement Accuracy

## Output & Relay

### Output Contact Capacity

Load Type	Capacity
Inductive (A→S)	0.2A DC220V
Resistive	2A DC220V

### Relay Capacity

10A @ 250Vac / 30Vdc

## Features

### Key Features

LCD Display, Pluggable Terminals, Bridge Balance Method, Static Circuitry, Real-time Monitoring

## Applications

### Typical Applications

UPS Systems, EV Charging Stations, Power Plants, Substations, DC Motor Control