

# DC 1500V Insulation Relay with LCD Display

This DC 1500V insulation relay is designed for high-voltage applications. It features an LCD display for easy monitoring of insulation resistance, ranging from 0-200Kohm.



## Product Overview

### High-Sensitivity Insulation Monitoring

The ZJJ-4SC DC insulation relay is a fully static circuit device engineered for real-time monitoring of DC busbar grounding resistance. Featuring an integrated LCD display, it provides direct, quantitative assessment of insulation levels, eliminating the need for manual calculations or external tables. Designed for durability and ease of use, it utilizes DIN rail mounting and pluggable terminals to ensure efficient maintenance in high-voltage industrial environments.

## Electrical Specifications

### Operating Voltage Range

**1500 V**

Maximum Rated Voltage

**220 V**

Typical Operating Voltage

|                       |                 |
|-----------------------|-----------------|
| Measurement Range     | 1999 K $\Omega$ |
| Alarm Threshold Range | 990 K $\Omega$  |

## Performance Data

### Technical Performance Metrics

| Parameter                       | Value/Range   |
|---------------------------------|---------------|
| Measurement Accuracy            | 5% @ 1000V    |
| Grounding Short-circuit Current | 0.6 mA        |
| Moves Back Coefficient          | 95% - 98%     |
| Power Supply                    | 85-265 Vac/dc |

## Features

### Core Product Features

- Direct LCD display of positive and negative grounding resistance
- Online alarm resistance threshold setting
- Bridge balance measurement method
- Pluggable terminals for easy maintenance
- Reinforced modular housing for DIN rail mounting

## Applications

Suitable Industry Applications

Solar Power Generation, UPS Systems, Electric Vehicle Charging Stations, Substations, DC Speed Regulating Motors, Battery Systems