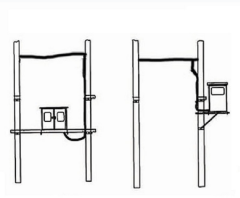
Three-Phase Unbalance Automatic Adjusting Device

This device automatically adjusts for unbalance in three-phase power, ensuring stable and efficient operation. It is designed for use in electric power transmission and distribution systems and is suitable for a variety of applications within the transmission and distribution sector.

ADDITIONAL IMAGES



Product Overview

Optimizing Power Quality

This three-phase unbalance automatic adjusting device is engineered to address current imbalances common in low-voltage distribution networks. By filtering over 90% of zero sequence currents and maintaining unbalance degrees within 10%, it significantly reduces line and transformer losses while enhancing overall power supply quality. This solution is essential for improving grid stability and efficiency in both urban and agricultural power networks.

Technical Specifications

Full-response Time

10 ms
Compensation Response

Working Voltage Range	400 VAC
Working Frequency	50 Hz
Connection Mode	Parallel connection

Performance Metrics

Zero Sequence Compensation	90 %
Unbalance Management Capacity	10 %
Power Consumption	<2.5% of capacity

Operating Environment

Operating Temperature	-10°C to +40°C
Relative Humidity	5% to 95% (non-condensing)
Maximum Altitude	d1500m (derating applies above 1500m)

Installation Requirements

Clearance Requirements

Location	Required Space
Upper/Lower Outlet	15 cm
Front/Back of Cabinet	60 cm