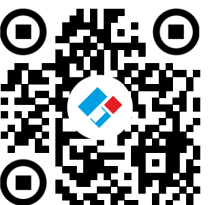


ELR SERIES EARTH LEAKAGE RELAY

Advanced Earth Leakage Monitoring
Solutions for TN and TT Systems,
Ensuring Safer and Reliable Power



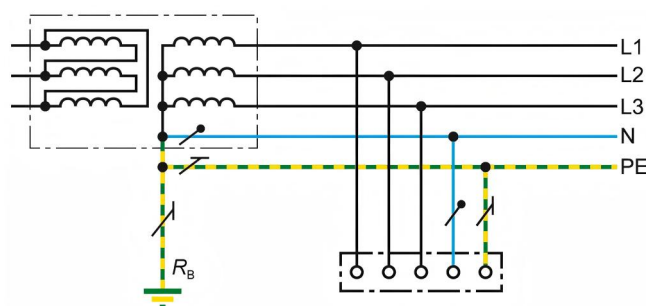
CHONG QING
BLUE JAY TECHNOLOGY
CO.,LTD



ELR SERIES

A comprehensive range of Type A, Type B and multi-channel earth leakage relays for grounded TN and TT systems, providing continuous earth leakage monitoring, early fault detection and reliable protection to enhance electrical safety and system availability.

APPLICATION SYSTEMS



TN SYSTEM

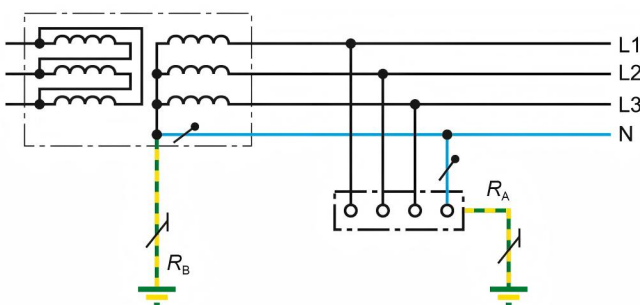
In TN systems, exposed conductive parts are connected to the transformer earth point through the PE conductor.

The ELR monitors residual current caused by insulation faults and leakage currents flowing through the PE path, enabling reliable detection of abnormal current conditions.

TT SYSTEM

In TT systems, the transformer neutral is directly earthed, while exposed conductive parts are connected to an independent earth electrode.

The ELR monitors residual current flowing through the protective earth path to detect insulation faults between live conductors and exposed conductive parts, ensuring reliable leakage protection.



TYPE B EARTH LEAKAGE RELAY



ELR-4MB

- Detects AC, pulsating DC, and smooth DC fault currents;
- Separate display of AC & DC components;
- External CT 5 mA–10 A wide measurement range;
- Designed for EV & power electronics systems;



TYPE A EARTH LEAKAGE RELAY



ELR-4MA/ ELR-4MD

- AC & pulsating DC leakage detection;
- Adjustable residual current monitoring;
- Multiple alarm & trip threshold settings;
- Compact design for standard 35mm din rail mounting;



MINING EARTH LEAKAGE RELAY



ELR-6MS

- Optimized for underground TN-S & TT mining power networks;
- Dual protection: ground fault & ground check monitoring;
- Designed for mining trailing-cable equipment;
- Compatible with multiple current transformer ratios;



16 CHANNEL EARTH LEAKAGE RELAY



ELR-CH16

- Multiple models: CH16IN / CH8IN8T / CH4IN4T flexible selection;
- 20~1000mA leakage alarm/ 50.0~120.0°C temp alarm threshold;
- Circular storage of 100 SOE fault event logs;
- Ideal for data centers & complex distribution systems;

