

Introduction

Gelco has developed a new range of products which is Digital Earth Leakage Relay detects leakage current well before it cross threshold limit and isolates the supply at programmed leakage current limit with help of MCCB /ACB/ Contactor etc.

Digital Earth Leakage Relay is designed with micro controller based technology. Which will enhance measuring accuracy and display live leakage current.



Salient Features :

- Microprocessor controlled with internal monitoring (Self Checking)
- Digital LED display show measured leakage current and various user setting
- “Test” key provided on front to check complete product functionality
- “True Root Mean Square” (TRMS) measurement for higher accuracy
- Continuous display leakage current of your electrical network
- Onsite programmable leakage current & trip time facility
- Positive safety o/p designed to monitor and detect true RMS leakage current

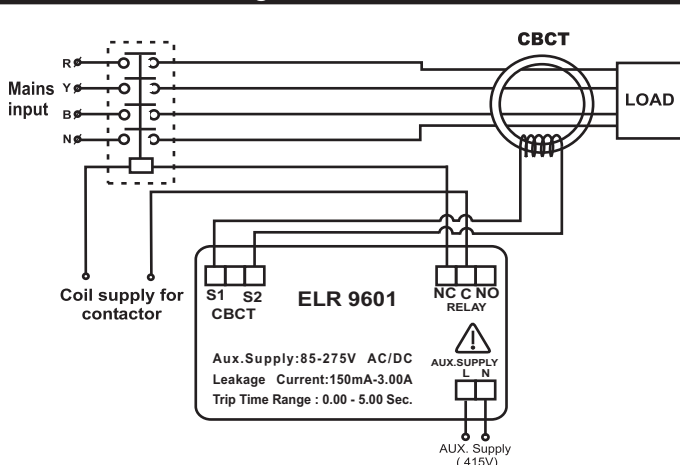
Technical Specification

Supply Voltage	: 85-265V AC/DC, 50/60 Hz / 415V AC, 50Hz ± 15%
Relay contact	: 1 change over 2 changeover (on demand) Potential free contact Positive safety output (Relay will energize on fault)
Contact Rating	: 6A at 230V AC / 30V DC
Leakage current range	: 30-300mA, 50-999mA, 0.15-3A, 0.25 - 5A
Trip time set	: 0.05 to 5 Sec.
CBCT	: 70mm, 100mm, 200mm, 300mm, 400mm dia and as per customer's requirement.
Reset	: Manual
Display	: Digital 7seg. LED display
Operating temp.	: -5°C to 60°C
Dimensions (LWH)	: 96x96X60 mm
Weight	: 196 grams

Applications :

- Leakage protection for LT control panels.
- Leakage protection for Motor, Generators, Transformers.
- Leakage protection for mobile electrical equipments.
- Leakage protection in mines and hazardous sensitive environments.

Connection Diagram For ELR with Contactor



Connection Diagram For ELR with MCCB

