The Rise of leakage current in Electrical Power Distributions are quite dangerous, resulting in Electrical hazards. Leakage Current are due to deterioration of insulations, negligence of wire man, bad wiring, and inferior / substandard usage of Electrical Materials, aging or endurance of Electrical environment. First and foremost importance should be given for the proper Earthing of Electrical Network System. The Earth Leakage Current are very low and are sensitive leakage current can be detected by Ground Fault Monitoring System. GFMS detects the leakage current in the circuit and isolate the power supply by switching off the tripping device – Contactor.

Salient Features:

- Micro Controller based compact Design.
- 8 Character 2 Line LCD Display with Backlit.
- True RMS Measurement of Leakage Current.
- Continuous Monitoring and Display of Set value and Measured value of Leakage Current.
- Immune to external disturbances like harmonics and transients.
- Test and Reset facility.
- CBCT Connection monitoring facility.
- Trip Circuit Failure Indication.
- Consistent reliability with accuracy.
- Temper proof Polycarbonate cover in the front with locking facility.
- Optional RS 485 communication port.

Technical Specification

Current Setting Range	300 mA to 12 Amps. In step - 300mA / 500mA / 750mA / 1.00A / 1.25 / 1.50 / 1.75 / 2.50 / 3.00 / 4.00 / 5.00 / 6.00 / 7.00 / 8.00 / 9.00 / 10.00 / 11.00 / 12.00 Amp. With 1 mA resolution upto 1A and 10mA upto 12A Accuracy - ± 2 %
Tripping Time	0.0 Second top 5 Seconds in step of 0.05 Sec
Instantaneous Tripping Time	less than 35 msec.
Core Balance Current Transformer	Moulded case CBCT with open circuit detection.
Communication	RS 485 **(Optional)**
Potential Free contact	2 Change Over Contact – for Tripping and Alarm.
Operating Temperature	-5 to 55 ℃.
Reference Standard	IEC 60255 / IEC 755 a) IEC-755 Clause 8.3 Verification of operating characteristics b) Insulation test IEC-60255 , insulation resistance test as per IEC 60255 – CL- 5 & 7 Dielectric test as per IEC-60255-CL-5&6 Impulse voltage test as per IEC-60255-CL-5&8

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