



ELSEC G2

EARTH LEAKAGE RELAY

Sensitive Core Balance relay for earth fault and unbalance



www.strike.co.za 

GENERAL INDUSTRY • UTILITIES • MINING

OPERATIONAL INFORMATION & SPECIFICATIONS

ELSEC G2

What is it used for:

Earth fault detection and protection, used in any sector where electricity is used Mining industry, Electro Chemical, Oil Industry, Municipality Small Industry.

It protects equipment by tripping the breaker to disconnect the equipment before permanent damage can occur. The protection functions provided are not designed for the protection levels as low as domestic earth leakage breakers but can remove equipment from service when the environment has created an earth leakage state above the accepted operation level.

Key Features:

Current threshold level and time level configuration can be selected from the list as found under specifications and be set by the user.

The configuration settings can be modified by the user at a later date if required.

The calibration for both the round and rectangular ELCOR sensors co-reside in the protection relay

Either ELCOR sensor can be selected by the user for the application.

Configuration using the EPC curve or Definite time are selectable in the standard ELSEC G2.

One model of the ELSEC G2 reduces stock requirement as the multiple application levels are covered by the protection relay user configurable settings.

Five different sizes available (3x round, 2x rectangular)

Programmable settings Time & Current

Event recording with adjustable recording times built in

Retrofit able on site

Trip indication even on power fall using a Super Cap

Optical Head Interface

Wide Range PSU 80 - 660 V AC

Stores the last 10 trips with threshold and timestamp

Functionalities:

User programmable for Trip time and Trip current

User programmable with special settings

Optical head interface to record & determine the start-up curve

Program relay for the correct settings as per above action

Blue tooth connectivity via Android

Why buy a ELSEC G2

One product for all applications, one core size built into the relay,

Local Manufacture and test certificates available.

EPC CURVES - AVAILABLE SETTINGS			
Trip Time (sec)		Earth Leakage Threshold - Trip Level (mA)	
EPC curves	•	375, 500, 1000	•
0.0			
0.4			
1.0			
1.6			
2.5	o	-----	o
5			
10			
20			

DEFINITE TIME - AVAILABLE SETTINGS			
Trip Time (sec)		Earth Leakage Threshold - Trip Level (mA)	
0.0			
0.4			
1.0			
1.6	•	30, 125, 250, 375, 500, 750, 1000, 2000, 2500	•
2.5			
5			
10			
20			



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