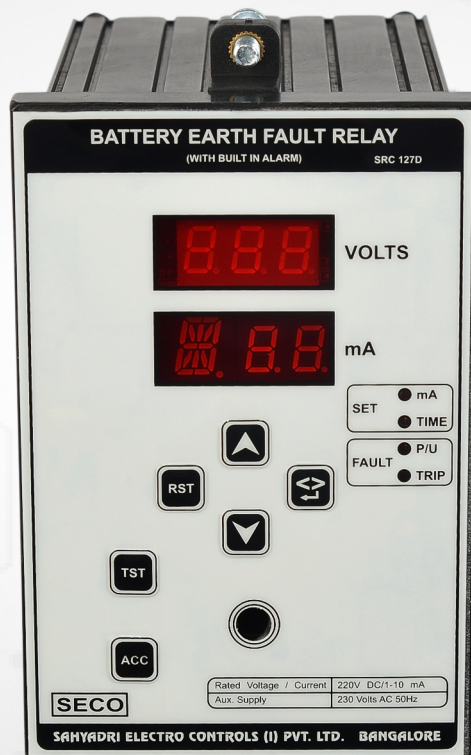


SAHYADRI ELECTRO CONTROLS (I) PVT. LTD.

SECO



BATTERY EARTH FAULT RELAY WITH DISPLAY (WITH BUILT IN ALARM)

MODEL: SRC127D

10, VINAY COMPLEX, 1ST CROSS, RAJGOPAL NAGAR MAIN ROAD, GANAPATHI NAGAR,
PEENYA III PHASE, BANGALORE – INDIA - 560058

Mail: mkt@secoindia.co.in & sales@secoindia.co.in, Web: www.secoindia.co.in

SAHYADRI (SECO) make Battery Earth Fault Relay with display (SRC 127D) is a

Microcontroller based design to measure the leakage current between the Earth and the Batteries +ve & -ve. When the current is more than the set value, the output Relay operates as per the set time delay along with inbuilt Buzzer sound. The inbuilt sound can be accepted with inbuilt Accept push button. Output relay contacts are used for Tripping and Annunciation. Earth fault Trip LED Indications are there for both +ve and -ve of the Battery along with leakage current display. The output relays and Indications are Hand Resettable.

FEATURES

- Microcontroller based Software design
- Battery Voltage Display
- Leakage current display
- Wide range of battery voltage
- With inbuilt Buzzer for fault trip status
- Leakage current & battery voltage display through Seven segment
- With definite time setting
- Separate output contact for Annunciation/ SCADA application
- Hand Resettable Trip LED & output Relay
- With Trip Test facility

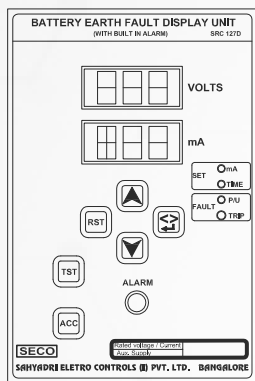
TECHNICAL SPECIFICATION

- **Aux. Supply:** 230V AC 50 hz
- **Rated DC voltage :** 24, 30, 48, 110, 220, 250V DC +/- 30%
- **DC Current setting:** 1 mA to 10 mA insteps of 1mA
- **Operating Time setting:** Inst. & 1 Sec to 50 Sec insteps of 1 sec
- **Accuracy - Operating value:** +/- 5%
- **Accuracy - Operating Time:** +/- 3%
- **Display:** Battery Voltage & leakage current +ve or -ve
- **Output contacts:** 2 sets of change over contacts (NC-C-NO)
- **Contacts Rating:** 10A@24V DC or 230V AC
- **Indications:** mA set LED, Time set LED, Fault pickup LED & Trip LED
- **Burden on Battery voltage:** 10 W Max
- **Burden on Aux. supply:** < 10w
- **Panel cutout:** 138(H) x 90(W) mm
- **Front Facia:** 144(H) x 96(W) mm

STANDARD COMPLIANCE:-

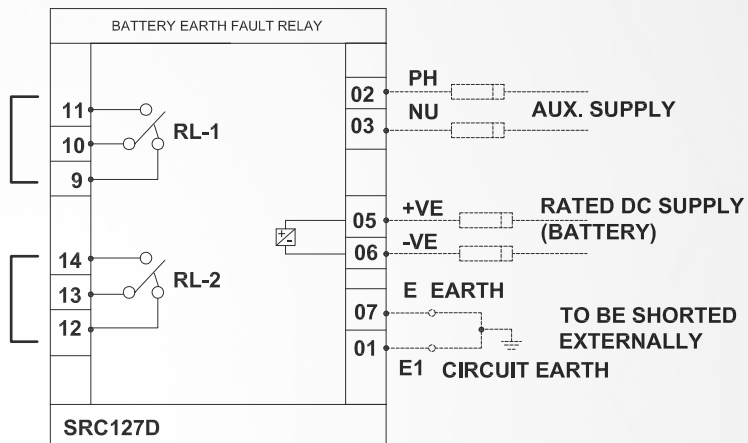
- Accuracy : IEC 60255-3
- Dielectric Test: IEC 60255-27

WIRING AND PANEL CUTOUT DRAWING

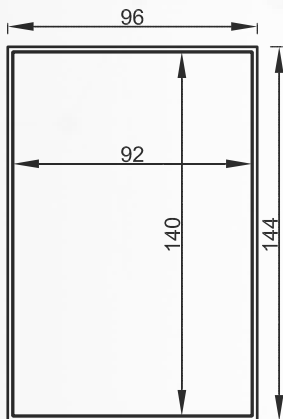


POTENTIAL FREE CONTACTS FOR REMOTE ALARM

POTENTIAL FREE CONTACTS FOR SCADA APPLICATION



TYPICAL WIRING DIAGRAM




PANEL CUTOUT - 92X138 mm

BEZZEL - 96X144 mm

BATTERY EARTH FAULT RELAY (BEFR) TERMINAL DETAILS	
TER. NO	DESCR.
9, 10 & 11 12, 13 & 14	NC1, C1, & NO1 NC2, C2, & NO2 POTENTIAL FREE NO CONTACTS
2 & 3	AUX. SUPPLY 230 V AC, 50Hz.
RATED DC SUPPLY	
5	+ VE SUPPLY
6	- VE SUPPLY
7	CIRCUIT EARTH-E1
SL. NO.	

NOTE:
DURING HV TEST REMOVE
TERMINAL NO. 7 - E1.

ALL DIMENSIONS ARE IN MM.

DRAWN BY	HSV	REV. NO.	0	ISSUED ON	05.05.16		DRAWING TITLE: APPLICATION DIAGRAM OF BATTERY EARTH FAULT RELAY	DRG NO.	SH.NO	01	SECO
APPD. BY	BSM			DRAWN ON	05.05.16			SECO/AD/SRC127D	CONTD.	-	

SIDE VIEW



BACK VIEW



SAHYADRI®

ISO 9001:2015 Certified



No 10, Vinay Complex, 1st Cross, Rajgopal nagar Main Road,
Ganapati Nagar, Peenya 3rd Phase,
Bangalore-560058

080-4149 2637 / +91 9035048537 / +91 9448408537 / +91 9980544028

After Sales / Service : +91 9606040824

mkt@secoindia.co.in / sales@secoindia.co.in / manjunatha@secoindia.co.in