

# MULTI CHANNEL EARTH LEAKAGE DETECTOR

As per RDSO/SPN-256/2002

TYPE 905-B1

## SALIENT FEATURES

All the channels of the equipment continuously monitor the insulation of the cable and an alarm is actuated along with a visual indication when the leakage value drops to the preset value. Each such fault is recorded on a 6 digit counter. Fault detection can be set in between 2K -1M .The audio alarm is common for all channels while the visual indication is separate for each channel.



The Basic unit comprises of 4 channels for use on signaling circuits of 110V/60V/24V/12V in AC or DC, or as required by the purchaser. In case of requirement for less number of channels, unused channels are covered with dummy plates while the inner wiring remains the same and these dummy plates can be replaced by channel modules if and when required in future. For more than 4 channels, say 8 or 12 channels, basic unit without meter can be connected as switching arrangement is provided for connecting such unit/s. Suitable interconnecting cable/s provided with the unit.

The equipment also consists of an insulation resistance meter which can be connected to any individual circuit to indicate the actual value of the insulation resistance of the signaling circuit during unenergised condition i.e. off-line condition.

## TECHNICAL SPECIFICATIONS

AC Mains	: 110V/230V AC, 50Hz.
Signaling Supply (Bus bar Voltage)	: 110V/ 60/ 24V/12V in AC/ DC- as required by the user. (Can be different for each channel)
Leakage Setting Range	: 2K -1M through a helical potentiometer.
Meter Range	: 2K -10M on a rectangular meter with wide scale.
Terminal provided for	: Remote indication, Remote Buzzer & Relay Contacts (1C/O)
Visual Indication / Controls on each Channel :	Normal - Green LED Channel Set Ref - Amber/Green LED Fault - Red Bulb Bus-Bar voltage presence - Green LED 6 Digit counters for recording number of faults
Dimensions (Basic Unit)	: Standard 19" subrack, 481W X 360H X 145H Mm (with Handles)
Weight (Basic Unit)	: 9.5 Kg. Approx.

### INSULATION RESISTANCE METER

Reference Setting Range	: Either of 500K, 1M, 1M5, 2M, 5M, 10M.
Meter Range	: 500K - 50M
Visual Indication	: Busbar Isolation - Green LED Insulation below reference - Red LED.

DATA SHEET 56/0606



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