

APPLICATIONS

These relays can be used for signalling the dispersion of current towards earth in the battery chargers, rectifiers and in D.C. power systems.

OPERATIONS

This earth relay can relieve the isolation towards earth of positive or negative polarity of a voltage source, with maximum sensibility of 1Mohm. The measurement circuit is galvanically isolated from the external mains through a DC/DC converter. The signal, proportional to the resistance towards earth of one of the polarity under control, is checked through the pin "5" of relay, connected to earth, with referal to the ground of the measurement circuit.

This ground is joined in the center of a starter resistance, connected between positive and negative polarity. The signal obtained is amplified and compared with the relative threshold of reference positive or negative, and activate a relay that, in case of cumulative signalizations have 2 changes, and have a single change for each polarity in case of separated signalizations.

In the front panel are present the signalizations, the red led of GND+ and GND-, and a handgrip for the regulation of sensitivity.

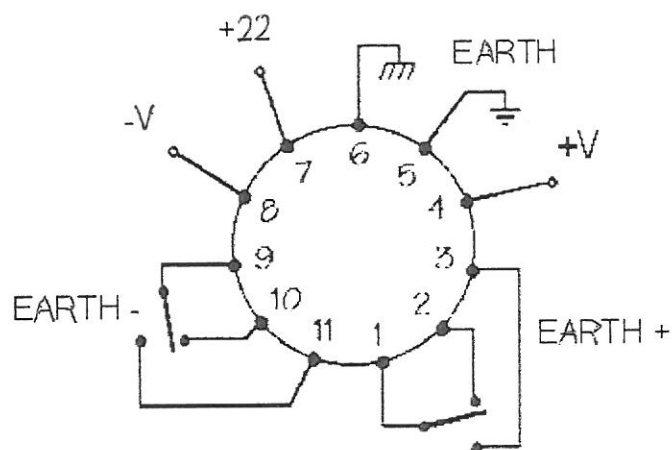
MECHANICAL DATA

The relay is built in a plastic case with connection for UNDECAL socket.

Dimensions: H67 x W50 x L90mm

ELECTRICAL DATA

Mains	22VDC – 24VDC (18-36 VDC)
Nominal voltage	24-48-110-220-440VDC
Working temperature	-10°C +50°C
Range contacts 1 changes relay	10 A 277VAC - 10 A 30VDC
Range contacts 2 changes relay	5 A 277VAC – 5 A 30 VDC
GALVANIC SEPARATION BETWEEN MAINS AND REFERRING POLARITY	



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