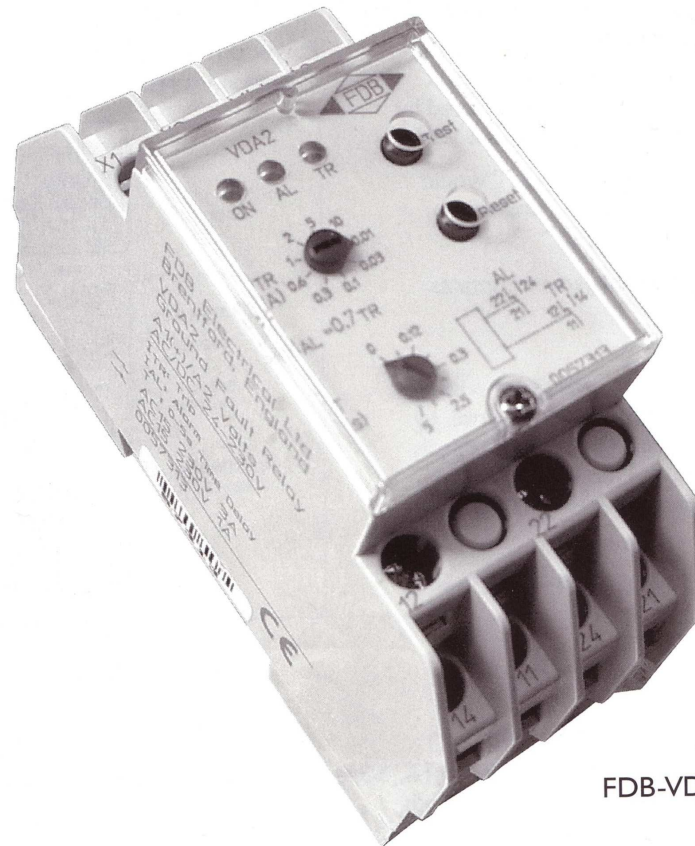


FDB-VDA2

Earth Leakage Monitor



FDB-VDA2

Nine tripping values from 10mA to 10A Remote core balance transformer e.g. MU28, MU46.

Detection of broken wire to remote core balance Selection of manual or automatic reset.

With 70% alarm trip facility.

Short Reaction time.

Adjustable time delay.

LED Indication for auxiliary supply and state of contact.

With sealable cover.

The VDA Earth leakage Monitor is manufactured in accordance with requirements IEC/EN62 020.

See overleaf for full specification.

OPERATION

The leakage current is monitored by an external differential current transformer e.g. MU28 which is connected via terminals I and K to the VDA2.

All conductors to be monitored except the earth wire are run through the CT. In a fault free healthy circuit the sum of all the current is zero. In a fault situation current flows to earth which is detected by the current transformer and measured by the VDA2.

A broken wire in the connection to the CT would disable this measurement; therefore a protection circuit detects this & trips the VDA2.

The unit has two single pole changeover contacts
Terminals 11-12-14 for Trip
Terminals 21-22-24 for Alarm

Alarm is detected at 70% of the selected trip level. The VDA2 is auto-reset & the trip is not stored, by fixing an external bridge connection across terminals X1 & X2 the trip is stored and has to be reset by pressing the reset button or removing the supply.

Adjustable Delay is same setting for both alarm & trip.

SPECIFICATION

Nominal Control Voltage	:	24-230V AC/DC
Tripping Current AC	:	0.01 A, 0.03A, 0.1A, 0.3A, 0.6A, 1A, 2A, 5A, 10A
Reaction Time	:	10-30 Milli-seconds
Time Delay	:	0-10 Seconds
Output Relay	:	1 SP Changeover contact alarm 1 SP Changeover contact trip
Switching Capacity.	:	N/O Contact 3A/230V AC N/C Contact 1A/230V AC
Temperature Range	:	-20 + 60
Degree of Protection	:	IP20
Housing	:	Thermoplastic with VO-behaviour
Dimensions (wxhxd)	:	35 x 90 x 63mm
Weight	:	125g
Mounting	:	Din Rail

In line with our policy of constant improvements, we reserve the right to vary the specifications contained in this leaflet.

The services of our Technical support staff are available for assistance or guidance on earth leakage problems and possible solutions please contact us at:

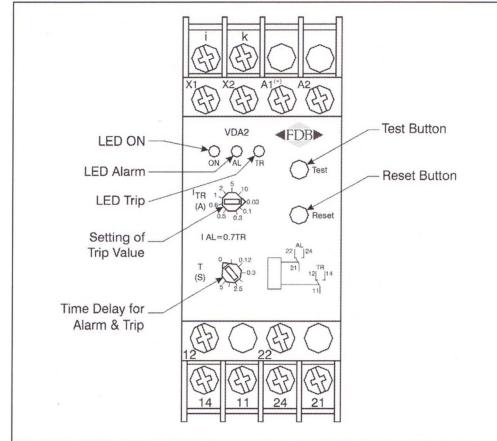
FDB Electrical
Unit 1 Reynard Mills Trading Estate, Windmill Road,
Brentford, Middlesex TW8 9NZ

Telephone: +44 (0)20 8 568 4621
Fax: +44 (0)20 8 569 7899
Email: rcdsales@fdb.uk.com

To avoid any unauthorised adjustment of the setting potentiometers the unit has a transparent cover that could allow these to be sealed with a lacquer.

Holes in cover above test/reset buttons allow activation.

Power on indication green LED & alarm/trip indication via red LED's.



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We manufacture a complete range of electrical safety products. Please contact us for further details.