

Multi-channel remote insulation monitoring



EarthLogger 4 CH Earth Insulation Logger with 3G

Despite all the safety built into electrical systems, failures can and do occur. MRD's multi-channel EarthLogger monitors up to four different busbars, significantly reducing the likelihood of failure or accidents due to insulation faults. Remotely monitor your site with one detector.

EarthLogger

Data Sheet

4 CH Earth Insulation Logger with 3G



Information

The EarthLogger is designed to be used in unearthed IT systems where high reliability of the supply is required, such as railway, industrial marine and power applications.

The unit serves as an early warning system by providing notifications when the impedance between an active phase conductor and earth drops below a set value. The insulation resistance is measured and data can then be viewed remotely, giving operators the information they need in order to take appropriate maintenance measures.

Features

- 4 Channels
- Sunlight readable OLED display
- Remote monitoring via Ethernet or 3G/4G modem
- Internally logs insulation resistance and busbar voltage
- Scheduled self-test function
- Remote test and reset function
- Embedded and cloud web servers
- Email and SMS notifications and alarms available

Benefits

- Remote monitoring and logging of earth insulation
- Constant monitoring of multiple IT systems
- Allows detection and removal of faults before problems occur
- Flexible channels allow monitoring of either AC or DC busbars
- Identify the cause of a fault using the fault time log
- Web server provided for easy access to recorded data
- Data available in a comprehensive graphical format
- Can be configured remotely via the web server
- Remote connection via VPN

Part Numbers

EarthLogger

EL-4

Technical Data

Mechanical

Connection	4mm screw terminal
Mounting Type	DIN rail or screw mount
Dimensions (H x W x D)	75mm x 150mm x 110mm
Weight	0.7kg

Environmental Conditions

Operating Temperature	-25 to 70°C
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AC Supply Voltage

Supply Voltage	100 - 240V AC
Frequency Range	50 - 60 Hz

DC Supply Voltage

Supply Voltage	120 - 370V DC
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Control Circuits

Control Inputs - Voltage Free	Remote reset
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Output Circuits

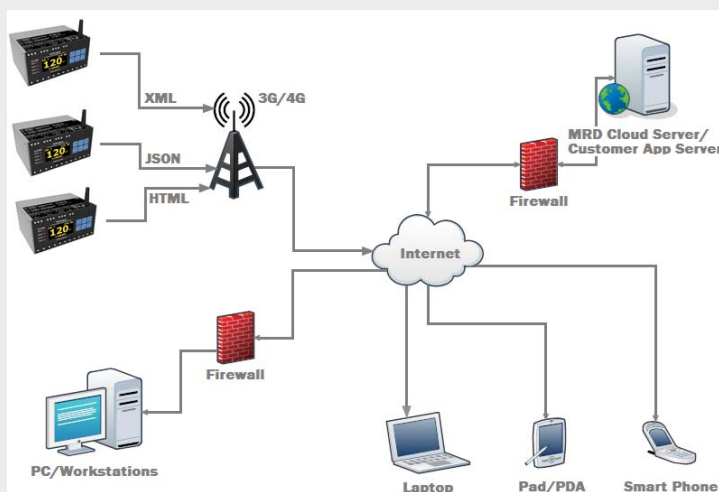
Alarm Outputs	2 x Relays (SPDT)
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Monitoring Voltage Range

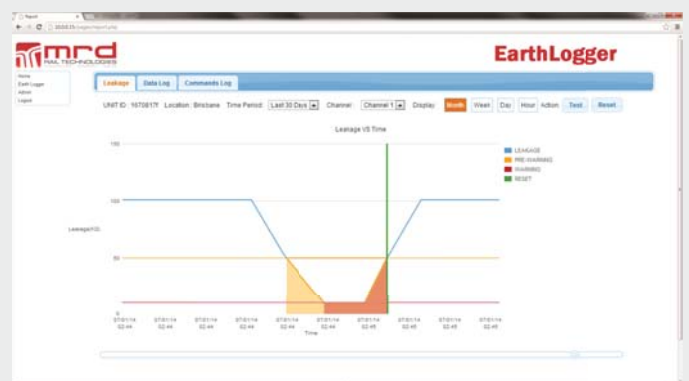
AC Busbar Voltage	0 - 650V AC
DC Busbar Voltage	0 - 650V DC

Compliances

Product Standard	IEC/EN 61557-8, IEC/EN 60255-6
Other Standard	EN 50178
Low Voltage Directive	2006/95/EC
EMC Directive	2004/108/EC
RoHS Directive	2002/95/EC



Networking diagram



Web server displays faults in a graphical format