ELD ALERT™

Balfour Beatty
Rail

The ***ELD ALERT™*** series is designed to meet the need for detailed, accurate and relevant information to be provided so that the behavior of the signalling power supply can be monitored and specifically any earth connections associated with it.

It has been specified functionally by signalling engineers and developed by experts to be the ideal solution for the monitoring and reporting of earth leakage. The robust design incorporates modern industry standard architecture, numerous communication protocols and a host of features making it easy to install, operate and interrogate.

The design of ***ELD ALERT™*** means that all of the required equipment is integrated into a single unit which fits into the space of two BR930 specification relays. Where the unit is to be wall mounted then a different mounting plate can be supplied which will allow the unit to be bolted straight to a wall.

Key Features

Connectivity

ELD ALERT™ is designed to be quickly and easily installed and connected to the existing earth leakage monitoring system. The only connections required are one cable to the RS485 output, one cable to the 12 digital sub feeder outputs (if required) and power and comms connections.

Power Supply

ELD ALERT™ will operate from either a 240v or 110v AC supply. Temporary power loss is no problem for ***ELD ALERT™*** because of its internal UPS that is designed to last for at least six hours, depending on the battery size fitted and the number of channels used.

Local Access

ELD ALERT™ employs a number of indication LED's which can be used to inform the user that the unit is currently operational and the status of the digital inputs. It is also possible to connect a laptop / PDA to ***ELD ALERT™*** using built-in RS232, USB or Ethernet ports. This allows local access to the recorded data to assist with on site installation and subsequent investigations.

Remote Access

ELD ALERT™ can be connected directly to a network via its TCP/IP Ethernet port, enabling data transfer at up to 10Mbps. It can also incorporate a built in PSTN or GSM modem for remote date access.

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Specification

General	
Dimensions (mm)	110 x 135 x 196 (Two adjacent BR930 spec. relay positions)
Weight (kg)	2.13
Power Supply	
Power supply range	110v / 230v AC
Power supply isolation	1kV
Power consumption	12w
Internal UPS	6 hours (Depends upon usage and number of active channels)
Inputs	
Digital inputs per unit	24
Digital input isolation	1kV
Serial	Isolated RS485
Data Storage	
Internal data storage	1Gb (As standard)
External data storage	1Gb (Removable Compact Flash card)
Communications	
Serial	Isolated RS485
Modem	PSTN or GSM
Networking	10 baseT

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