

DRK-S701-ROHS Event Monitoring Device (EMD) Seismic Detector



The DRK-S701-ROHS EMD detects and measures seismic events and signals elevator controls to take appropriate action based on their magnitude.

Properly installed, the EMD will detect a potentially dangerous seismic event and alert the controller to stop the car at the nearest floor to discharge the passengers. It can also be connected to the Draka Ring-on-a-String counterweight displacement sensor (P/N CDH-R8 and CDH-R12).

While the EMD is highly flexible and can be configured for various applications, its primary three functions are:

Detect a seismic event and trip a latching and non-latching relay (referenced as an Alarm Event Trigger),

Detect an internal failure and trip a latching relay (referenced as a Trouble Event Trigger), and

Detect an event from an auxiliary sensor and trip a latching relay (referenced as an Auxiliary Event Trigger).

The EMD is preloaded with ASME A17.1, ASCE, and EN requirements for worldwide capabilities. Set up is simple using the backlit LCD screen and the four-button control.

Approvals

Evaluated in accordance with ANSI/ASME A17.1 2013-10-21 and A17.5 2011-03-01. Also evaluated in accordance with CAN/CSA B44, and B44.1

Complies with RoHS standards

Features

Easy to install - Mount it, level it and turn it on

Can also be custom programmed

Auxiliary interface for counterweight displacement device

Uses either 110/220VAC or 12/24VDC power

Battery backup time approximately 18 hours on 1 rechargeable battery and up to 36 hours on two

Troubleshoots itself and displays trouble codes

Economical

Advanced dual-sensor technology prevents false alarms

MRL safe - Remote reset and test eliminates hoistway visits

EMD Seismic Detector



Part Number	Description
DRK-S701-ROHS	Event monitoring device (EMD) for seismic detection with relay for external sensors - AC or DC power
30016	Replacement battery for DRK-S701
78-108	Fuse for DRK-S701