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:

1. Detect a seismic event and trip a latching and non-latching relay (referred as an Alarm Event Trigger),
2. Detect an internal failure and trip a latching relay (referred as a Trouble Event Trigger), and
3. Detect an event from an auxiliary sensor and trip a latching relay (referred 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

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>DRK-S701-ROHS</td>
<td>Event monitoring device (EMD) for seismic detection with relay for external sensors - AC or DC power</td>
</tr>
<tr>
<td>30016</td>
<td>Replacement battery for DRK-S701</td>
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<tr>
<td>78-108</td>
<td>Fuse for DRK-S701</td>
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