

Shock And Vibration Remote Monitoring System For Sensitive Properties And Structures

The RDL//Vibe is a completely self powered, remote, GSM based shock monitoring system for sensitive properties and structures.

The RDL//Vibe will capture any shocks/vibrations that exceed the pre-defined levels you have configured via the secure web bureau. An alarm will then be generated via SMS or email to your selected list of recipients enabling immediate, corrective action to be undertaken.

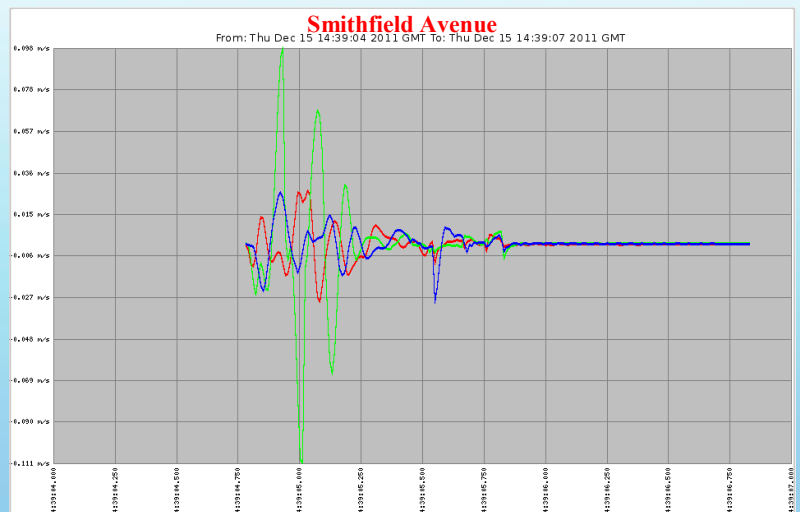


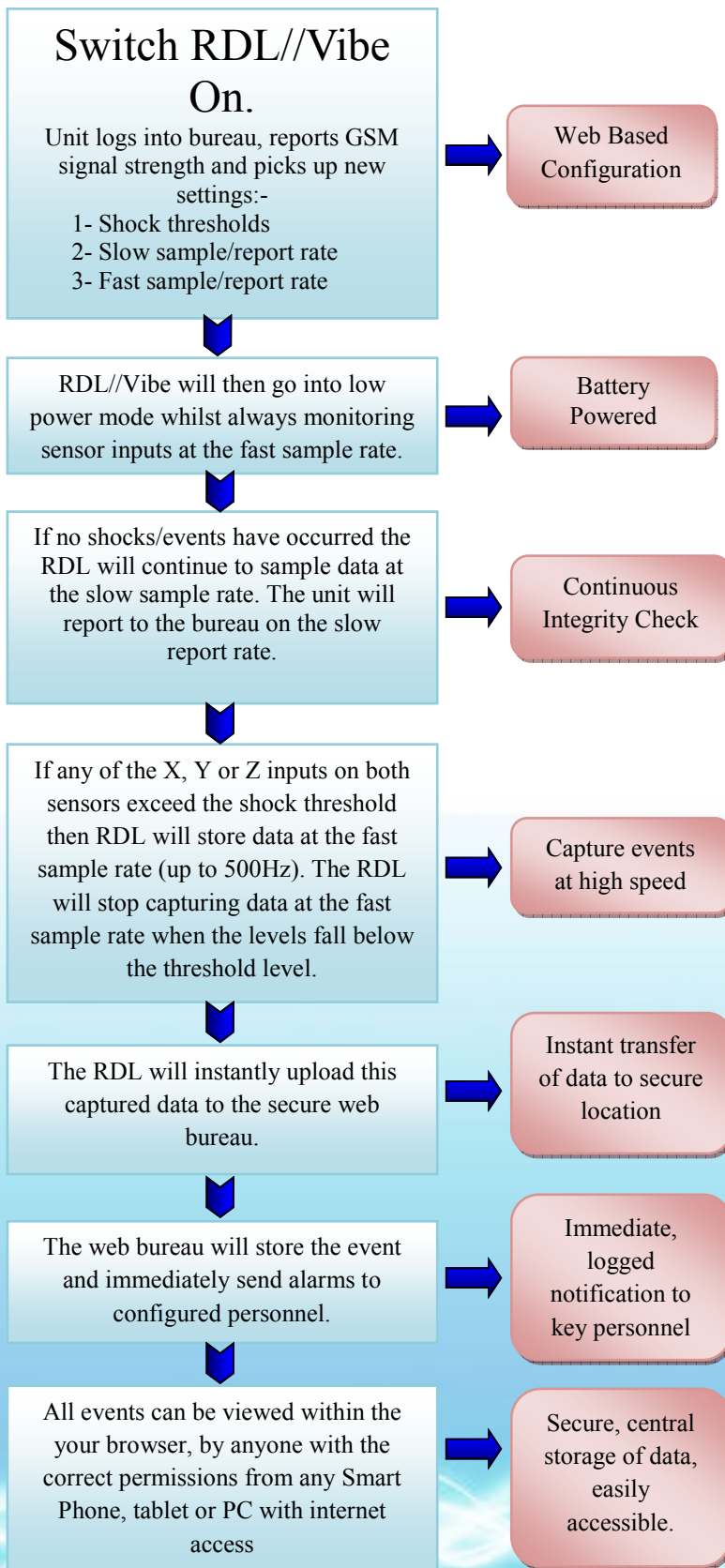
- Vibration limits set by accessing secure web bureau
- Connect to two, tri-axial shock sensors
- RDL//Vibe will capture shock waveforms at high speed for a higher level of accuracy
- Background 'slow' speed sampling is performed for system integrity check
- All events are captured and transferred via mobile phone network to secure web bureau
- All events can be programmed to alarm immediately to key personnel via SMS or email
- All events can be analysed via the web bureau via any users with the correct permissions
- System is 100% battery powered

List of all historical events through browser

ID	Name	Start Date GMT	Duration	Threshold	Max X	Max Y	Max Z	Detail
1294	CDL	21/11/2011 18:18:49	1.54s	0.01000	0.079 m/s	-0.001 m/s	-0.001 m/s	See Graph
1295	CDL	21/11/2011 18:24:18	1.18s	0.01000	-0.089 m/s	-0.001 m/s	-0.001 m/s	See Graph
1296	CDL	21/11/2011 20:16:09	1.64s	0.01000	-0.095 m/s	-0.001 m/s	-0.001 m/s	See Graph
1297	CDL	21/11/2011 20:27:24	1.08s	0.03000	-0.043 m/s	-0.001 m/s	-0.001 m/s	See Graph
1298	CDL	21/11/2011 21:07:29	1.61s	0.00400	-0.100 m/s	-0.001 m/s	-0.001 m/s	See Graph
1299	CDL	21/11/2011 22:18:40	2.12s	0.00400	-0.085 m/s	-0.001 m/s	-0.001 m/s	See Graph
1300	CDL	21/11/2011 23:03:32	1.14s	0.00400	0.034 m/s	-0.000 m/s	-0.001 m/s	See Graph
1301	CDL	22/11/2011 06:45:17	2.1s	0.00400	-0.136 m/s	-0.001 m/s	-0.001 m/s	See Graph
1302	CDL	22/11/2011 09:39:03	1.78s	0.00400	-0.092 m/s	-0.001 m/s	-0.001 m/s	See Graph
1303	CDL	22/11/2011 11:04:28	1.19s	0.00400	0.029 m/s	-0.000 m/s	-0.001 m/s	See Graph
1304	CDL	22/11/2011 11:04:31	1.96s	0.00400	-0.013 m/s	-0.001 m/s	-0.001 m/s	See Graph
1305	CDL	22/11/2011 13:30:00	1.42s	0.00400	0.019 m/s	-0.001 m/s	-0.001 m/s	See Graph
1306	CDL	22/11/2011 13:30:02	1.64s	0.00400	-0.017 m/s	-0.001 m/s	-0.001 m/s	See Graph
1307	CDL	27/11/2011 16:27:20	20.49s	0.00400	-0.001 m/s	0.434 m/s	0.434 m/s	See Graph
1308	CDL	28/11/2011 17:44:46	1.24s	0.00700	-0.029 m/s	0.014 m/s	0.087 m/s	See Graph
1309	CDL	29/11/2011 08:51:54	2.5s	0.00700	-0.051 m/s	0.102 m/s	-0.042 m/s	See Graph
1310	CDL	29/11/2011 08:51:57	2.07s	0.00700	-0.088 m/s	-0.118 m/s	0.045 m/s	See Graph
1311	CDL	29/11/2011 08:54:22	1.39s	0.00700	-0.005 m/s	-0.017 m/s	0.015 m/s	See Graph
1312	CDL	29/11/2011 09:05:31	2.68s	0.00700	-0.043 m/s	0.101 m/s	-0.064 m/s	See Graph
1313	CDL	29/11/2011 11:24:07	2.78s	0.00700	-0.028 m/s	0.044 m/s	-0.047 m/s	See Graph
1314	CDL	29/11/2011 11:50:34	1.82s	0.00700	0.005 m/s	-0.006 m/s	-0.019 m/s	See Graph
1315	CDL	29/11/2011 11:53:11	1.68s	0.00700	-0.025 m/s	-0.023 m/s	0.028 m/s	See Graph
1316	CDL	29/11/2011 11:53:14	1.43s	0.00700	-0.032 m/s	-0.158 m/s	-0.003 m/s	See Graph
1317	CDL	29/11/2011 12:04:55	4.93s	0.00700	-0.022 m/s	-0.020 m/s	0.030 m/s	See Graph
1318	CDL	29/11/2011 12:05:01	1.67s	0.00700	-0.005 m/s	-0.006 m/s	-0.013 m/s	See Graph

Full graphing capabilities within browser





Web Bureau:-

- Log in securely from any web browser
- Unlimited number of RDL's can log into one domain address allowing you to administer all units from one portal
- Configure users and administrators and allow access to specific RDL units
- Secure storage of all data. Download at anytime in a standard csv format
- Event log of all generated alarms, logins, 'unit power ups'
- Add alarm recipients quickly and easily

Specifications:-

- Battery Powered. Lithium D-Cell
- Minimum trigger level: 0.18 mm/s
- Maximum sensor level: 43.4 mm/s (option for higher range)
- Max sample freq: 500Hz
- Sensors: 1 or 2 x Tri-axial geophones
- Geophone low freq response: 4.5Hz
- Operating temperature: -5 to + 60 °C
- Dimensions: 178 x 156 x 75
- IP66 die cast aluminium
- Quad band Modem
- Roaming SIM card
- PPV reporting