

Sentrol

DV1201A & DV1221A Seismic Detectors Installation Manual



Figure 5: Mounting on concrete 180° Always use a DV1202A mounting plate. The expansion plug must penetrate at least 50 mm into the concrete. Please follow the steps shown in Figure 6 if you are installing the test transmitter DV1215A. 00 For the equipment to conform to CEI standard 79-2, the DV1215A test transmitter must be installed. A 7 A 7 A 4 4 7 4 5 A 7 A 7 A 8 A 0 0 31 0 0 90 1 00 0 Ð



Figure 6: Control and function test

Using a voltmeter, check the background signal level in the detector to prevent nuisance alarms. Set the sensitivity to Gmax during the test.

DV1201A	DV1221A	Measure
0.7 V	0 V	None
1.4 V	2 V	Reduce range/remove source

Try to remove the source of ambient noise instead of reducing the range.

Functional testing with hand tester DV1230 1 and mechanical tool 2:

DV1201A Alarm in 30 sec. Alarm after 5 blows **DV1221A** Alarm in 45 sec. NA

Material	Sensitivity setting	Thermal lance	Diamond disk
Concrete	1/G _{max}	13.12	45.93
Steel		26.25	45.93
Brick		9.84	26.25
Concrete	2/G _{ref}	9.84	29.53
Steel		13.12	29.53
Brick		3.28	19.69
Concrete	3/G _{min}	6.56	19.69
Steel		6.56	19.69
Brick		-	13.12

4

5

3.28

3.28

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16.40

16.40

9.84

13.12

13.12

6.56

Concrete

Concrete

Steel

Brick

Steel

Brick

Technical specifications:Input power:9-132 VCurrent consumption:Nor

Alarm indication:

Sensitivity: Range: Sabotage protection:

Low voltage alarm: Temperature limits: Dimensions: Colour: Weight: 9-15 VDC 2 V max. ripple pp Nom. 8.6 mA Form C solid state relay, max. series resistance 35 Ohm LED-ind. output 3 5 steps of 6 dB each See Table "Detection range" Temp. 183.2 °F drill shield, opening/pry-off contact, 7.5 V -4 °F to + 131 °F 3.93 x 3.15 x 1.30 inches Grey, RAL 7035 0.86 lb

Drilling

45.93

45.93

26.25

29.53

29.53

19.69

19.69

19.69

13.12

16.40

16.40

13.12

13.12

6.56

9.84



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