



Phone: 1-866-241-3264
Email: info@stabilitydynamics.com

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LG Alert™ – Vehicle Specific Sensitivity Settings

The LG Alert™ unit provides 10 levels of visual and audible alarms to the vehicle operator. These alarm levels have the following characteristics:

	<u>Visual Alarm</u> (Colour)	<u>Visual Alarm</u> (Type)	<u>Audible Alarm</u>
Level 1:	Green	Constant	None
Level 2:	Green	Constant	None
Level 3:	Green	Constant	None
Level 4:	Green	Constant	None
Level 5:	Green	Constant	None
Level 6:	Green	Constant	None
Level 7:	Yellow	Constant	None
Level 8:	Yellow	Constant	Medium Intensity
Level 9:	Red	Constant	Medium Intensity
Level 10:	Red	Flashing	High Intensity (Remote Horn)

All units are factory preset with a sensitivity adjustment value of 55. This setting is quite conservative and is suitable for a broad spectrum of vehicles and vehicle applications. Alarms will occur at the following lateral acceleration (g-force) levels:

Lateral Acceleration

Level 8:	0.26 g
Level 9:	0.29 g
Level 10:	0.33 g

Ultimately, the setting of an LG-Alert™ unit on a specific vehicle is at the discretion and responsibility of the vehicle owner or the owner's designated personnel. The setting can be adjusted from 00 to 99, with higher settings activating alarms at lower levels of lateral acceleration (more sensitive) and lower settings activating alarms at higher levels of lateral acceleration (less sensitive). The correlation between sensitivity setting and lateral acceleration is provided in the Sensitivity Table located in the LG-Alert™ User Manual. The table is duplicated below for convenience purposes only. ALWAYS REFER TO THE USER MANUAL.

LG-ALERT™ SENSITIVITY TABLE

Digital Push Button Setting 00-99	Lateral Tilt Angle			Lateral Acceleration		
	indicator light 8 is on at (deg)	indicator light 9 is on at (deg)	indicator light 10 is on at (deg)	indicator light 8 "g" forces	indicator light 9 "g" forces	indicator light 10 "g" forces
99	8.0	9.1	10.0	0.14	0.16	0.17
95	8.5	9.6	10.6	0.15	0.17	0.18
90	9.1	10.3	11.4	0.16	0.18	0.20
85	9.8	11.1	12.3	0.17	0.19	0.21
80	10.5	11.9	13.2	0.18	0.21	0.23
75	11.3	12.8	14.3	0.20	0.22	0.25
70	12.2	13.7	15.4	0.21	0.24	0.27
65	13.1	14.8	16.6	0.23	0.25	0.29
60	14.2	15.9	17.9	0.24	0.27	0.31
55	15.3	17.1	19.4	0.26	0.29	0.33
50	16.5	18.4	20.9	0.28	0.32	0.36
45	17.7	19.8	22.6	0.30	0.34	0.38
40	19.1	21.3	24.4	0.33	0.36	0.41
35	20.6	22.9	26.4	0.35	0.39	0.44
30	21.7	24.7	28.5	0.37	0.42	0.48
25	24.0	26.5	30.8	0.41	0.45	0.51
20	25.9	30.1	33.3	0.44	0.50	0.55
15	30.5	35.3	39.0	0.51	0.58	0.63
10	36.0	42.0	48.0	0.59	0.67	0.74

Sensitivity setting can be adjusted by removing the front cover plate of the base unit, exposing the push button sensitivity switch.

When adjusting the sensitivity settings for a specific vehicle, the following precautions should be taken:

- (1) Ensure that the vehicle is configured as it would be used in active service.
- (2) Ensure that the vehicle is at maximum weight (fully loaded).
- (3) Always use a trained and experienced driver, familiar with the handling characteristics of the vehicle being tested.

While driving the vehicle within safe operating limits, initiate a cornering maneuver that is typical of the maximum intended operation limit of the vehicle. Observe the level of alarm that the LG Alert™ provides. The alarm levels should be observed to increase up to level 10 as the maneuver progresses. If the alarms do not reach level 10, increase the sensitivity setting and repeat the maneuver. If the alarms reach level 10 prematurely, decrease the sensitivity setting and repeat the maneuver.

Once the sensitivity setting has been adjusted, as described above, further adjustments should not be made by vehicle operators, without the approval of the vehicle owner or the owner's designated personnel.