



MILITARY VEHICLE ROLLOVER WARNING & TRAINING SYSTEM



A Team Eagle Company

“Military Vehicle Rollovers are the number one killer of our Warfighters in theater* after combat actions and IEDs.”

Military Medicine

Your Army

Army vehicle rollover deaths spiked this fiscal year

Kyle Rempfer

July 3, 2019



U.S. soldiers call for a medevac following a vehicle rollover accident in Ghazni province, Afghanistan. (Army/DVIDS)

There have been 14 [fatalities involving Army vehicles](#) this fiscal year, and eight of those have been from vehicle rollovers — a slight increase in the total number of fatalities, but a much larger increase in the number of rollover deaths specifically.

**To help protect life, limb, property
and multiply mission/combat
readiness.**



Vehicle Rollover Warning & Training System

Help train operators to safely exploit the high performance capabilities of the vehicle.





NSN - NATO Stock Number

Provides mounting visual and audio alarms.

LG ALERT™

For driver awareness of increasing threat of rollover with accelerating intensities of visual and audio alerts on approaching rollover thresholds, this proven technology retrofits to any non-articulating vocational or military vehicle and can be installed in less than an hour.

It also filters out false alarms from aggressive suspension and road 'noise.'

LG Alerts™ are installed in 000s of vocational, emergency, and military vehicles in over 100 countries, and have helped reduce ARFF rollovers in North America (early adopters) by over 90% in the first few years of introduction.

Display Module
Bilateral indicator lights
Built-in and remote audible alarms



Base Module
Triaxial accelerometers
Adjustable sensitivity
Water resistant
Vibration resistant
Elimination of false warnings

Power requirements
12 VDC, 0.5A
DC-DC power supply included for 24VDC systems

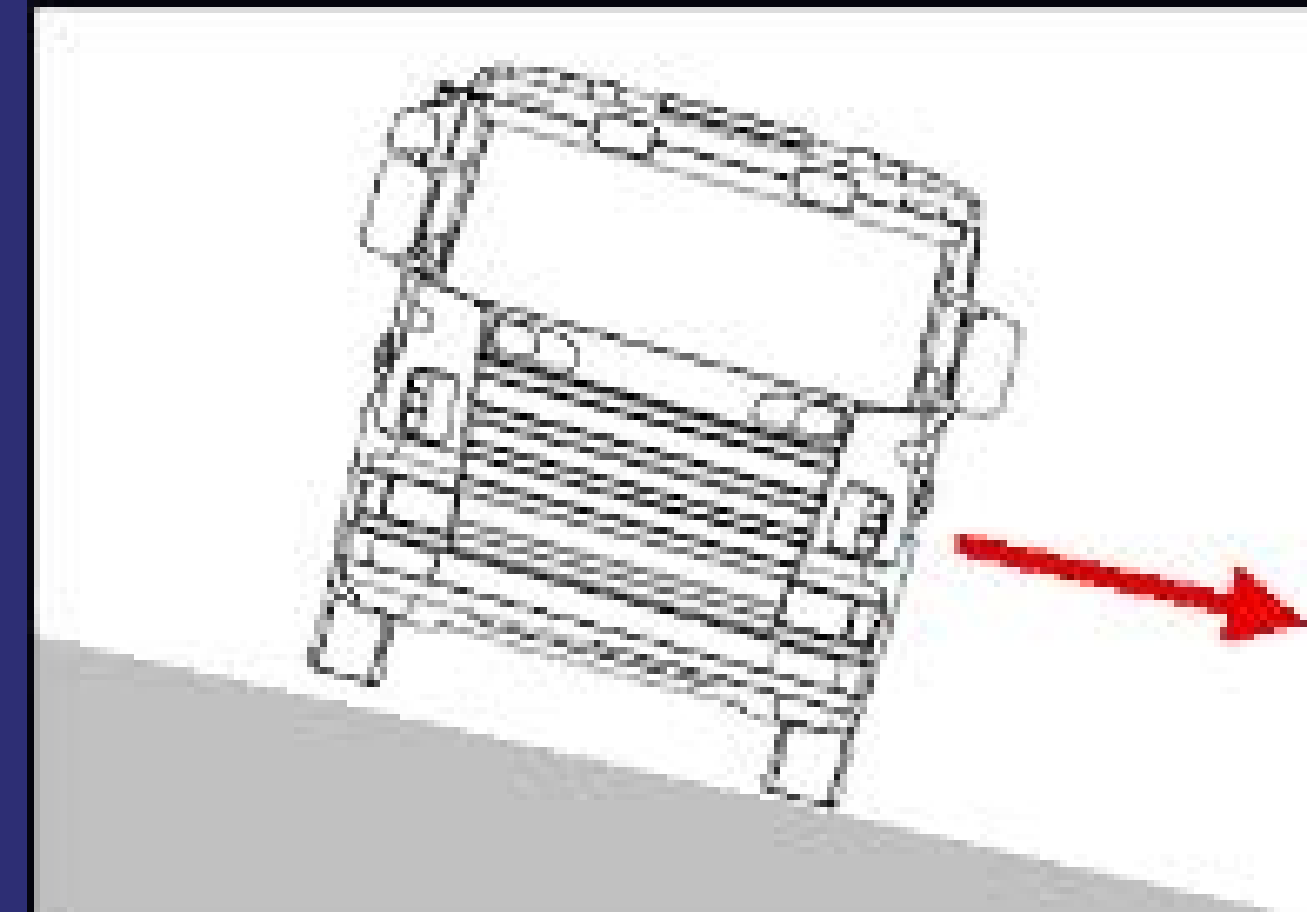
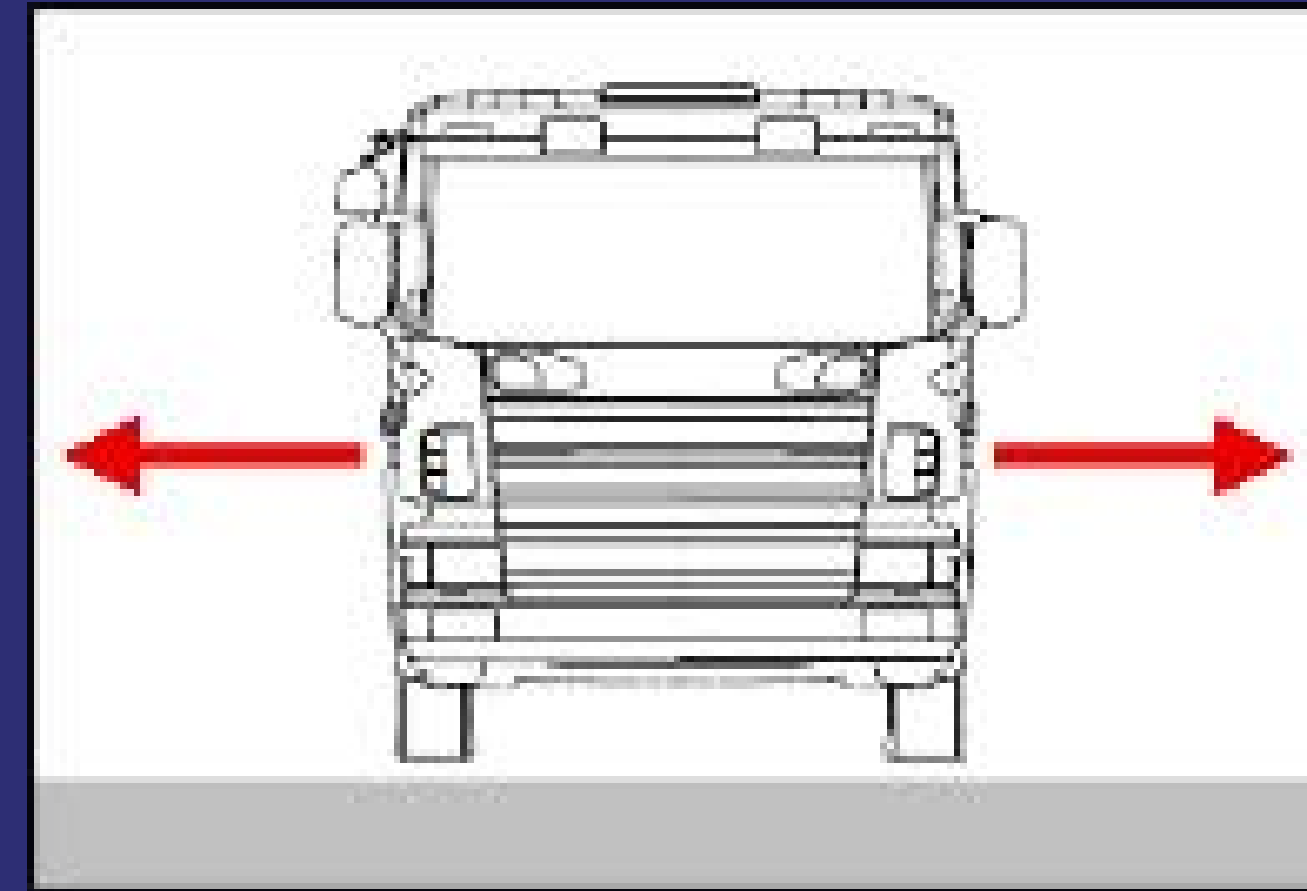
Tilt component – displacement of centre of gravity

WHAT CAUSES ROLLOVERS?

Rollover Accelerations

Lateral accelerations due to cornering

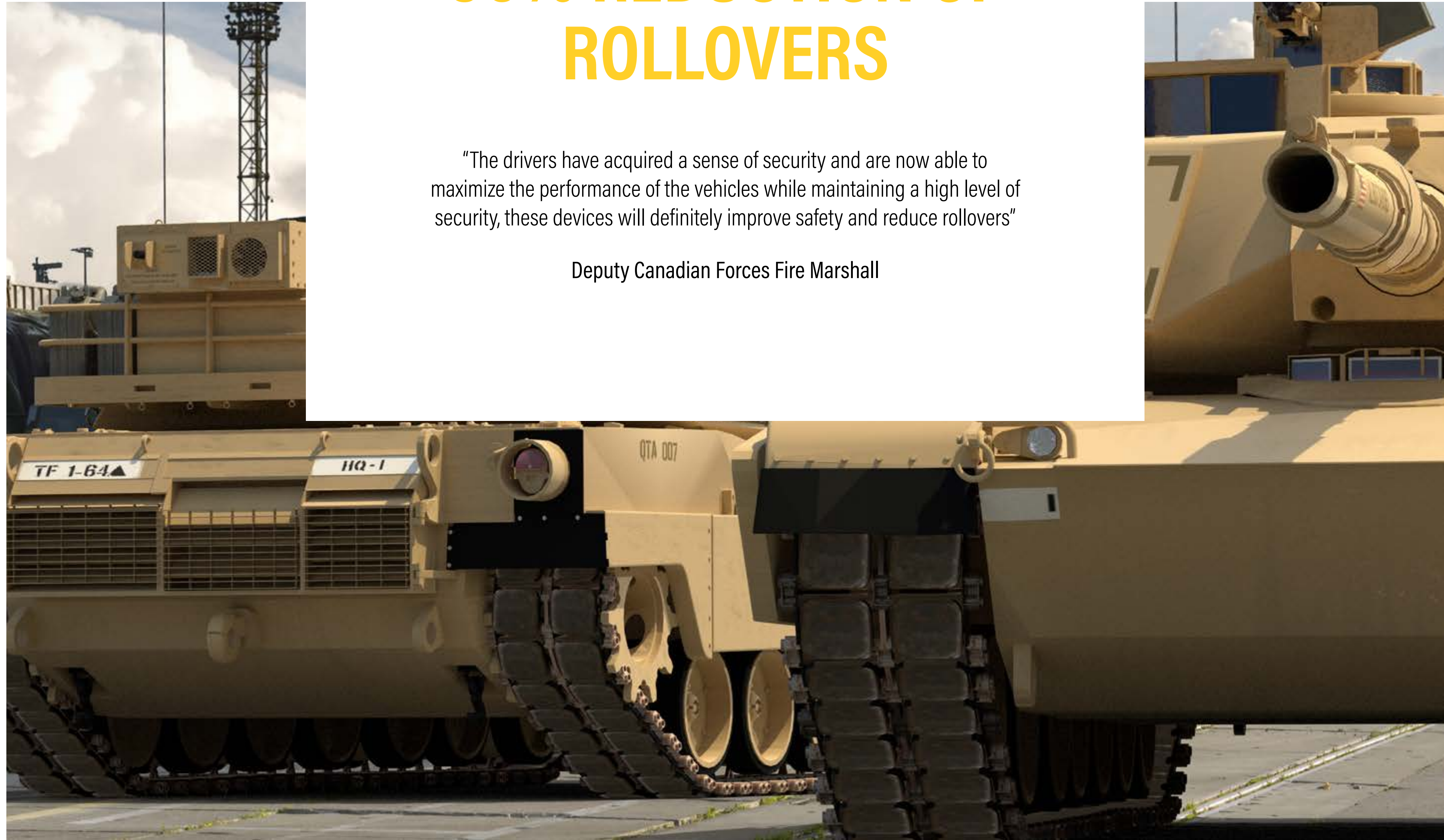
Rollover threshold is dependent on the sum of the lateral accelerations and the tilt component.



90% REDUCTION OF ROLLOVERS

"The drivers have acquired a sense of security and are now able to maximize the performance of the vehicles while maintaining a high level of security, these devices will definitely improve safety and reduce rollovers"

Deputy Canadian Forces Fire Marshall



Helping to prevent vehicle rollovers by increasing drivers awareness of speed, cornering and side slopes.

Technical Specifications:

Weight

3.5 lbs

Environmental

Operating Temp (°F): -25°F to +130°F

Ingress Protection: IP67 (IEC 60529)

Electrical

Supply Voltage: +12VDC

Voltage Protection: ±15VDC Max.

Supply Current: 2.0A Max

Fuse Rating: 3.0A

Response Filtering

Display Indication: > 1.0 Hz

Signal Outputs: > 8.0 Hz

Sensitivity Settings (Full Scale)

Lateral Acceleration: 0.17g to 1.00g

Static Tilt Angle: 10° to 90°

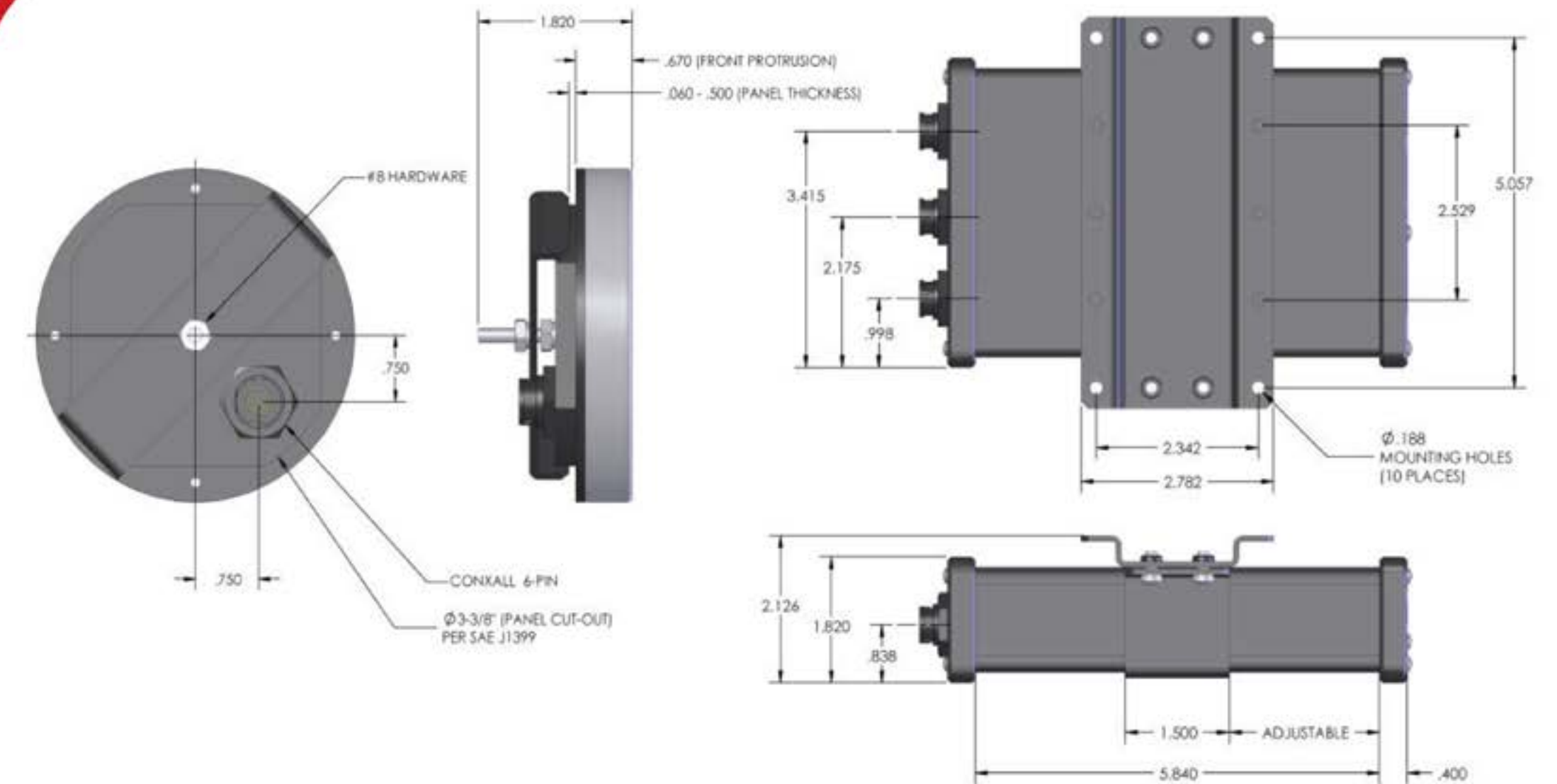
Alarm Levels

Level	Visual	Audible
1 to 6	Green, Steady	None
7	Yellow, Steady	None
8	Yellow, Steady	82dB (Display)
9	Red, Steady	82dB (Display)
10	Red, Flashing	100dB (Remote Horn)

Optional Equipment

24VDC Power Supply

Data Acquisition Capability



Dimensions are in inches. Stability Dynamics reserves the right to change the design and specifications of its products without notice. Illustrations may include optional equipment and accessories.

CONTACT US FOR MORE INFORMATION



Visit us at stabilitydynamics.com



A Team Eagle Company

