

AGS Manufactures & Supplies

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Tipper's Body Raised Warning system



AGS Manufactures & Supplies
An ISO 9001: 2015 Certified Company

Transport Support is pleased to announce the launch of a new body raised warning system that has been designed to prevent tipper vehicles (or vehicle that can raise parts of the body) from driving with the tipper body raised and colliding with bridges and other overhead obstacles.

Overview:

- Indicates to the driver if the tipper body is raised with an audible/visual warning at all times.
- Sounds a very loud audio/visual warning if the vehicle exceeds a preset speed limit with the tipper body raised and prevents the tipper from being raised further.
- Prevents accidental activation of the tipping system.

The Tipper Body Raised Warning system consists of a small ECU that is mounted under the dash in the driver's cab. There is a dash mounted push button switch with built-in buzzer and LED that allows the driver to activate the system and give them feedback on body raised position.

The driver raises the tipper body as normal. As soon as the tipper body is raised off the chassis it will be sensed by the sensor and the LED on the dash-mounted button will flash and a buzzer will sound with a "beep, beep" tone to indicate to the driver that the tipper body is raised.



1. CONTROLLER UNIT

A Microcontroller unit is installed in the cabin of the dumper. When it receives signal from sensor about lifting of body, it gives information to the dumper operator in audio visual bright led. Controller unit is installed in such a way that driver can see and hear the buzzer clearly.

2. SENSOR

Non-contact Magnetic sensors are used to sense the body position. These sensors are waterproof, dust proof, vibration proof and made to use in mining environment. It is installed in such a way that when body is in normal (rest) position, it will sense its position through magnetic sensor and continue to send signal to the controller unit. There is no mechanical contact between the body and sensor therefore the life of the sensor is very high.

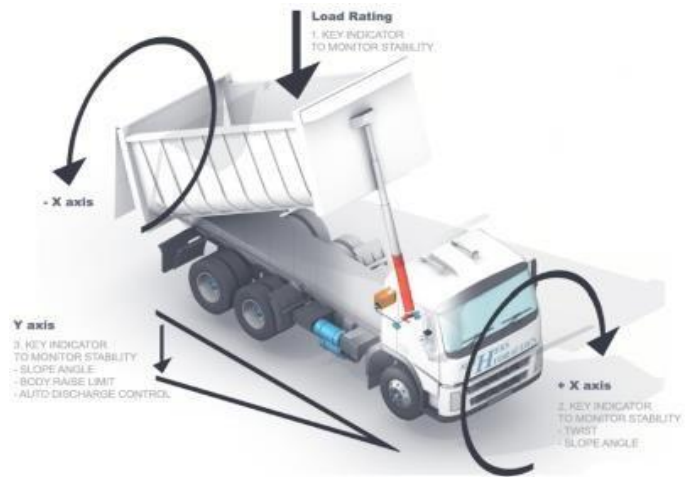


3. HARNESS

A good quality harness suitable for system to connect Controller Unit, & Sensor is available as optional.

TECHNICAL SPECIFICATION:

AUDIO ALERT	Buzzer with led light
CONTROLLER UNIT	Input voltage 10VDC - 24VDC.is required for Controller Unit.
SENSOR	To protect from dust & moisture Sensor are sealed with chemicals.
COLOR	Black



Please watch links: -

- <https://www.youtube.com/watch?v=ZNUsuWAouu0>
- <https://youtu.be/5l9RpxogXQ>

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