

Jamex **iROS T**

iROS Stability Sensor Tipper Spec

FEATURES & SPECIFICATIONS

iROS T Basic Standard features

iROS T is a warning device designed to warn drivers of a potentially unsafe lean on a tipper body that is being raised to discharge a load. It does this by actuating both visual and audible warnings that the tipper body is leaning beyond that of a preset warning amount.

iROS T has a programmable microprocessor and so can be re-programmed to different specifications for different applications

iROS T carries out a full diagnostic self-test upon power up (PTO engage), This self test tests the microprocessor & the angle sensing accelerometer to ensure they are in good working order prior to permitting the body to start to raise.

iROS T has 3 separately programmable switch points (angles) for first & second stage warnings and a third shutdown (do not permit tip)

iROS T connects to a dash mounted warning light, this light tells the driver when the iROS T self tests and that the iROS T is operating correctly. This light is also the first stage warning that caution should be taken as the body has a lean and is not level. Any fault including faulty or loose wiring will be obvious by fault lamp status. The 2nd stage warning buzzer is to tell the driver to stop tipping and the 3rd stage actually stops the body from being raised any further.

iROS T uses a 2-axis angle-sensing device originally designed as part of a missile guidance system, the data from this sensor is processed by the internal microprocessor to determine when the output should be switched.

iROS T switches the main output off when the 3rd (highest) preset angle is reached. This output is designed to be connected to a normally closed interrupt solenoid in the pneumatic line to the tipper valve so as to not allow the body to be raised any further (lowered only) until the lean angle is corrected.

iROS T datalogs operating hours and tipping (3rd stage) isolations so it can be identified if iROS T has ever activated an isolation and when it occurred.

iROS is multivoltage 10-30 volts DC

iROS is completely solid state there are no moving parts or switch contacts to stick or wear out

iROS carries Australian patent 2003100133