

Welcome to Sens-a-BRAKE International

Brake system development for special applications


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Australasia

EVO electronic brake controller

Dynamic brake control solution for electric drum brakes and electric over hydraulic brake actuators



State-of-the-art electronics means the Sens-a-BRAKE EVO controller is the only true proportional controller that can differentiate between different types of brake systems and automatically adjust it's output to suit - this means regardless of what you're towing, when properly installed the EVO controller can control Sens-a-BRAKE actuators, generic electric over hydraulic actuators, and electric drum brakes.

- * TRUE PROPORTIONAL CONTROL
- * USE FOR ELECTRIC DRUM OR HYDRAULIC BRAKES
- * OPTIONS FOR AUTO OR MANUAL BRAKE PEDALS
- * ADJUSTABLE BRAKE OUTPUT (GAIN CONTROL)
- * SWAY CORRECTION ASSISTANCE
- * DISCRETE INSTALLATION
- * NON-INERTIA SYSTEM FOR MORE DIRECT CONTROL
- * ROAD GRADIENT OR TRAVEL DIRECTION WILL NOT EFFECT BRAKE OUTPUT
- * DESIGNED AND MANUFACTURED IN NEW ZEALAND

The Sens-a-Brake™ electronic control unit continually monitors the state of the Sens-a-Brake system to ensure safe operation. The early detection of potential faults, such as, lack of air pressure, air leakage, inadequate power feed, excessive duty cycle, or trailer disconnection are all continually monitored with the driver informed of any such fault through the Sens-a-Brake™ mouse.



Unlike systems which use inertia as a method of recognising deceleration, the EVO controller utilises an intuitive driver interface in the form of a pressure sensitive film fitted in the vehicles brake pedal. The EVO's electronics allow the controller to learn the braking characteristics of the tow vehicle, and Edge International's RTEC calibration technology ensures that every time the brake pedal is pressed, the system automatically calibrates itself to suit the environmental conditions within the cab.

RTEC calibration technology is particularly important in markets where extreme weather, or excessive temperature variations are experienced, and is another way Sens-a-Brake is working to provide safer and more comfortable trailer braking solutions.

Consisting of three components, the EVO controller includes a versatile dashboard mounted mouse which apart from providing a communications interface with the brake actuator, allows the driver to adjust braking sensitivity, and incorporates a patented 'panic' button which is designed to assist drivers to correct dangerous trailer 'sway' situations.

More 

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