

Soft Docking

Haldex

Technical Information



Part Numbers

Complete System with Acoustic and Optical Aids	815 024 001
Kit Without Optical Aid	815 025 001
Kit without Acoustic Aid	815 026 001
Basic Kit	815 027 001
Lite Kit	815 051 001
Sensor Adjusting Tool	042 708 309

Dimensions

Width:	234.5 mm
Height:	155.5 mm

Increased control into reversing through innovation and engineering

Reversing into docking bays has always been an area where damage is likely to occur to the vehicle or the dock if the vehicle is allowed to hit the dock at speed.

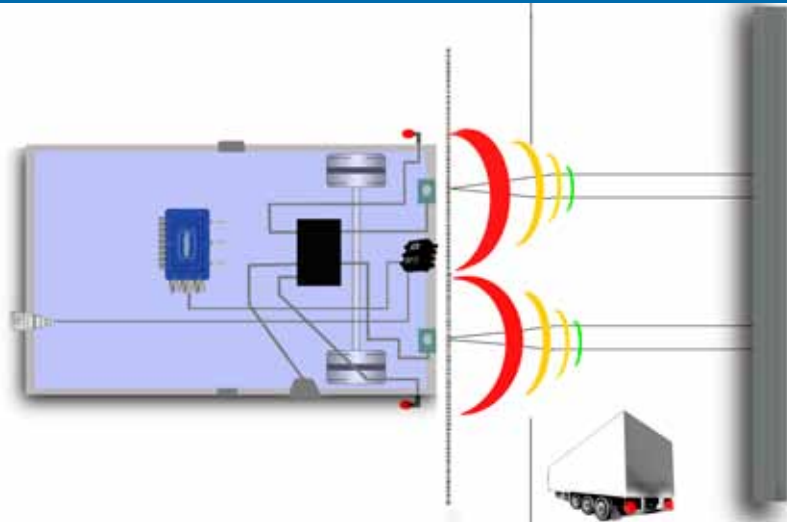
Haldex offers added security with Soft Docking, when linked to the Haldex EB+ EBS braking system which can apply the brakes automatically when reversing into a loading bay.

Benefits

- Independent from truck braking system
- Measures braking power to match load and speed
- Operates in light and dark conditions
- Audible and visual reversing aids
- Silent mode for night deliveries

Specifications

- Nominal Voltage 24V
- Operating Temperature -30 to + 65°C
- Current Consumption (total system) < 300 mA
- Ultrasonic Sensors
 - Max Range 2 500 mm
 - Min Range 350 mm
 - Detection Angle 15°
 - Max current consumption < 35 mA
 - Frequency 180 kHz
- Reversing Alarm
 - Max current consumption < 35 mA
- Superpoint LED
 - Max current consumption < 35 mA

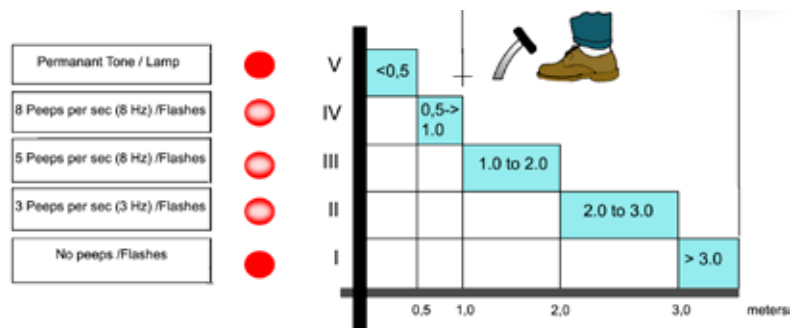


Liability Exclusion

The system is not totally accurate under all circumstances. The driver must manoeuvre with care up to the dock. Haldex cannot be held responsible for any damage that may occur when using the system. It is the driver's responsibility to reverse safely.

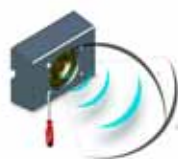
Conditions of no detection

The system will not detect the dock when the vehicle is not in reverse. System will not operate if the speed of the vehicle is excessive (more than 20 km per hour).



The controlled automatic braking commences at 1 meter distance from the dock. The system is equipped with distance sensors and distance from the dock is first detected when the trailer is in reverse and less than 3 meters away from the dock.

The braking command is delivered from the Haldex EB+ system via an auxiliary port. The Braking at 1 meter distance lasts for 2 seconds before the system releases the brakes giving control back to the driver.



The detection can be adjusted with 10° horizontal and vertical angle. This requires a DIN 546 nut tool. Detection can be adjusted by rotating the 3 fixing nuts and should only be made with an obstacle in place.

