

Smart Proximity Detection System

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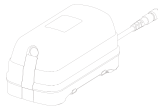


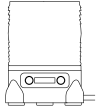
Overview:

Laserglow's Smart Proximity Detection System (SPDS) is an intelligent proximity alert safety system that prevents collisions by alerting the operator of danger using 2 way communication to both drivers and pedestrians. This includes when a pedestrian approaches a vehicle or when a vehicle approaches another vehicle. It is easy to install without causing any damage to vehicles, and features industry leading proximity detection technology.

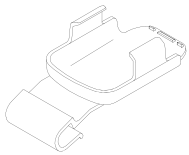
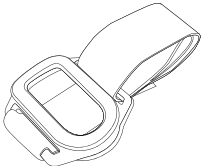
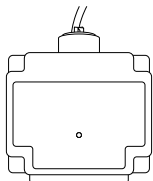



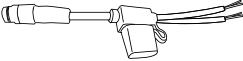
Key Features:

- UWB technology-based highly accurate distance measurement. Can detect multiple pedestrians or vehicles at the same time.
- SPDS is OEM-independent, so it is ideal for mixed fleets. Can be fitted to new forklift trucks or retrofitted on your existing fleet.
- Out-of-the-box with no-registration and no-calibration.
- Simple and customizable configuration and operation.
- Acoustic or vibrated alarm for both a driver and a pedestrian.
- Different alert zones for vehicle to vehicle interaction versus vehicle to pedestrian interaction.

Specifications:

Specification	Vehicle Tag (VT)	Vehicle Indicator (VI)	Pedestrian Tag (PT)	Flashing Vehicle Beacon
Product Image				
Input Voltage	12/24 V DC (9-32 V DC)	12/24 V DC (9-32 V DC)	-	12/24 V DC (9-32 V DC)
Current Draw	300 mA	500 mA	-	500 mA
Interface	CAN Bus 2.0	CAN Bus 2.0	-	CAN Bus 2.0
Alert Method	Red/green LED Flashing	Red/green LED flashing + spoken warning	Vibration, audible alarm, or both	Flashing LED beacon + audible alarm
Sound Level @ Distance	-	92 dB @ 10 cm	87 dB @ 10 cm	88 dB @ 1 meter
Battery	-	-	950 mAh Lithium polymer	-
Charging Interface	-	-	USB Micro-B (5V/1A)	-
Charge Time	-	-	~1.5 hours	-
Charge Current	-	-	850 mA	-
Operating Time	-	-	6 days (at 8 hours/day)	-
Size	177.8 x 84.1 x 86 mm	93 x 130.5 x 47.5 mm	40 x 72 x 19.5 mm	123 x 141 x 112 mm
Weight	444 g	207 g	58.5 g	484 g
Mounting Style	Magnetic or zip ties	Screws/bolts or double-sided tape	Helmet clip or arm band	Magnetic
Operating Temperature	-30 to 85 °C	-30 to 85 °C	-20 to 55 °C	-30 to 85 °C
Storage Temperature	-40 to 85 °C	-40 to 85 °C	-20 to 55 °C	-40 to 85 °C
Waterproofing	IP65	IP65	Water resistant	IP65
Available Colors	-	-	-	Red or Amber
Standard Warranty	12 months	12 months	12 months	12 months

Accessories:

<p>Helmet Clip</p>  <p>Attach Pedestrian Tag to hardhat or helmet</p>	<p>Armband</p>  <p>Attach Pedestrian Tag to arm of user</p>	<p>External Output Device</p>  <p>Attach additional devices to be activated or triggered by SPDS devices</p>	<p>Extension Cable</p>  <p>Increase distance between connected devices or between devices and power source</p>	<p>Cable Harness</p>  <p>Attach multiple devices together on the same vehicle (supported devices: VehicleTag, Vehicle Indicator, Flashing Vehicle Beacon, External Output Device)</p>
<p>Cigarette Lighter Adapter</p>  <p>Connect SPDS devices to vehicle power</p>	<p>Open Wire Adapter Cable</p>  <p>Connect SPDS devices directly to vehicle battery or power system</p>			



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