

# Smart Proximity Detection System

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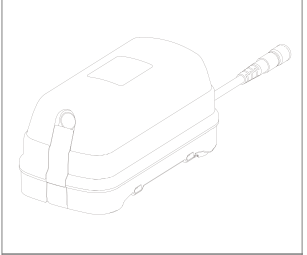
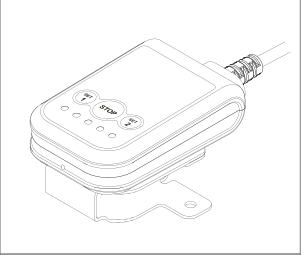

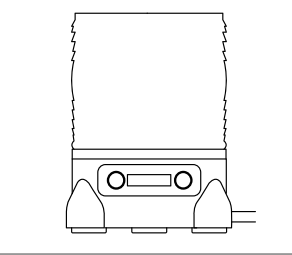
## Overview:

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.

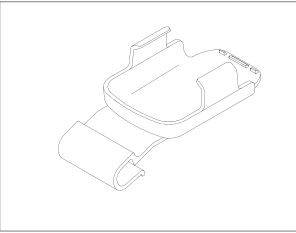
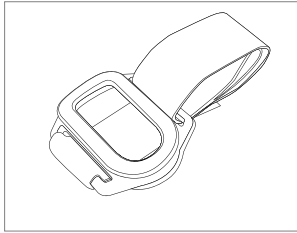
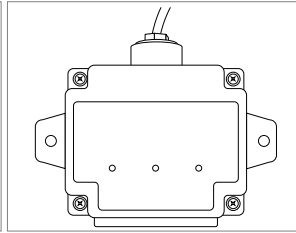
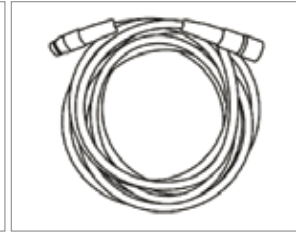
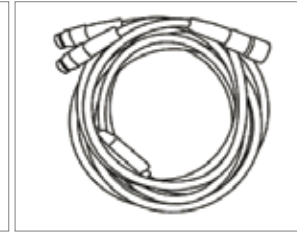
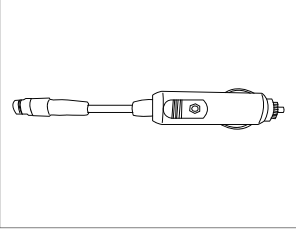
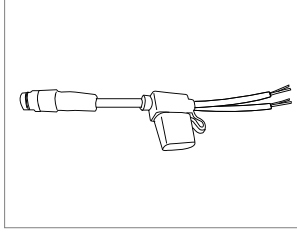
## Advantages of the SPDS System:

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

# Smart Proximity Detection System

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

## Accessories:

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



Find out more about Accessories:  
[www.laserglow.com/industrial](http://www.laserglow.com/industrial)



**[www.laserglow.com](http://www.laserglow.com)**

**For more information please contact:**

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