

ULD DATASHEET

Sensor Partners BV

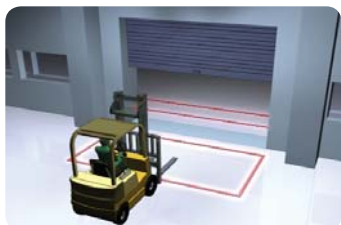
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ULD 913 ULD 923

Activation

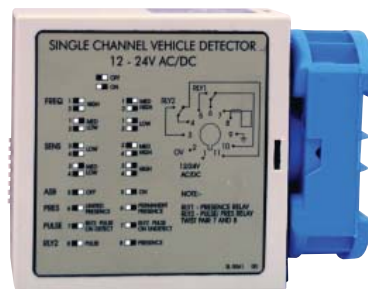
Reliable Underground Single & Dual Channel Vehicle Detection

Invisible and versatile vehicle detection sensor ideal for industrial door, gate or parking barrier access control

- **High Bed Vehicle Detection**
Wide self tuning range to allow for the detection of high bed vehicles
- **Prevent Vehicle Damage**
Prevent door or gate closures on static vehicles by selecting the permanent presence or pulse detection output feature
- **Reduced Energy Loss**
Direction logic feature reduces door open time resulting in decreased building energy loss
¹ ULD923 dual loop only
- **Cost Efficient**
Reduce cost by using two loops with only one controller

ULD 913 ULD 923

Activation



Technical Specification

Accessories Provided



ULD913 (Single Loop)/
ULD923 (Dual Loop)



11 Pin Connector

Model	ULD 913 (Single Loop)	ULD 923 (Dual Loop)
Detection Method	Induction detection	Induction detection
Sensor Dimensions	76mm (high) x 40mm (wide) x 75mm (deep)	76mm (high) x 40mm (wide) x 75mm (deep)
Supply Voltage	12 - 24V AC/DC	12 - 24V AC/DC
Supply Voltage Tolerance	± 15%	± 15%
Current Consumption	100 mA max	165 mA max
Relay Rating	5A @ 230V A.C.	5A @ 230V A.C.
Operating Temperature	-40°C to +80°C, (-40°F to 176°F)	-40°C to +80°C, (-40°F to 176°F)
Sensitivity	Four step adjustable Maximum 0.02%ΔL/L Minimum 0.5%ΔL/L	Four step adjustable Maximum 0.02%ΔL/L Minimum 0.5%ΔL/L
Sensitivity Boost	Selectable on Med High, Med Low & Low Settings	Selectable on Med High, Med Low & Low Settings
Indications	2 LEDs Green = Power Red = Output	3 LEDs Green = Power Red x 2 = Output per channel
Presence Time	Selectable - Permanent or limited (1hr for 3%ΔL/L)	Selectable - Permanent or limited (1hr for 3%ΔL/L)
Pulse Output Duration	150 ms (250 ms factory option)	150 ms (250 ms factory option)
Response Time	Approx. 100ms	Approx. 120ms
Tuning	Automatic	Automatic
Output Configuration	2 Output relays Relay 1 - Presence (Fail Safe) Relay 2 - Pulse/Presence (Selectable)	Selectable on PCB 2 Output relays Relay 1 - Presence/Pulse/AB Relay 2 - Presence/Pulse/BA
Inductive Range	20-1500 μH	20-1500 μH
Loop Frequency Range	Four step adjustable range 20 - 140kHz	Four step adjustable range 20 - 140kHz
Connector	Single rear mount 11-pin submagnal	Single rear mount 11-pin submagnal
Ordering Details	ULD 913 (Single Loop) + Finder Base included	ULD 923 (Dual Loop) + Finder Base included

Dimensions (inches/mm)

