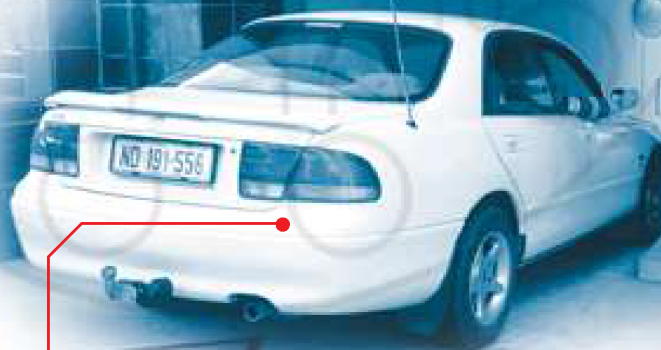


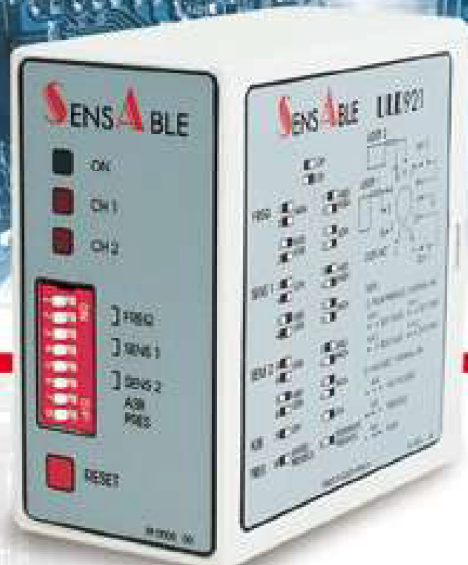
## Dual Channel Vehicle Detectors

ULD 920



The ideal Inductive Loop Vehicle Detectors for :

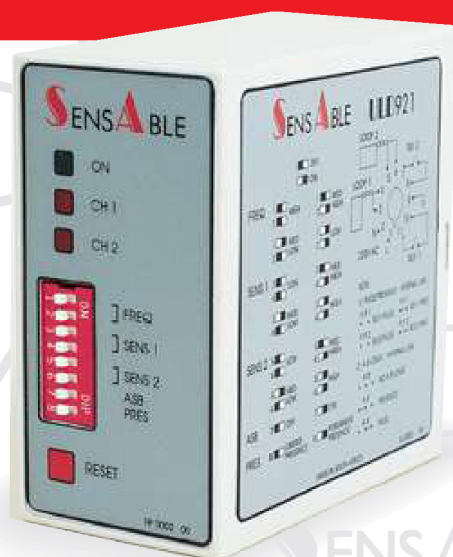
- Parking Barrier Control
- Direction Logic Applications
- Ramp Control Systems
- Motorised Gates & Doors



**SENSABLE**  
SENSORS

## ULD 920 Features

- Compact housing
- Wide self-tuning range
- Strong loop field strength
- Sensitivity levels optimised for parking/vehicle access applications
- Selectable output configuration
- Direction logic feature
- Permanent presence feature
- High level circuit protection



## ULD 920 Technical Information Functional

<b>Tuning</b>	: Automatic
<b>Inductive Range</b>	: 20-1500 $\mu$ H
<b>Sensitivity</b>	: Four step adjustable Maximum 0.02% $\Delta$ L/L Minimum 0.5% $\Delta$ L/L
<b>Sensitivity Boost</b>	: Selectable on Med High, Med Low & Low Settings
<b>Frequency</b>	: Four step adjustable Range: 20 - 140kHz
<b>Response Time</b>	: Approx. 120 ms (Turn on/turn off)
<b>Output configuration</b>	: Selectable on PCB 2 Output relays Relay 1 - Presence/Pulse/AB Relay 2 - Presence/Pulse/BA
<b>Direction Logic</b>	: Selectable - Presence/Pulse
<b>Presence Time</b>	: Selectable - Permanent or limited (1hr for 3% $\Delta$ L/L)
<b>Pulse Output Duration</b>	: 150 ms (250 ms factory option)
<b>Indications</b>	: 3 LED's Green = Power Red = Output per channel
<b>Reset Push Button</b>	: Flush mount on front panel
<b>Protection</b>	: Loop-Isolation transformer/zener diode/GDT Power/Relays - MOV

<b>Power</b>	: 230V A.C. $\pm$ 15% 115V A.C. $\pm$ 15% 12 - 24V AC/DC $\pm$ 15%
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<b>Current Consumption</b>	: 165 mA max
<b>Relay Rating</b>	: 5A @ 230V A.C.

### ENVIRONMENTAL

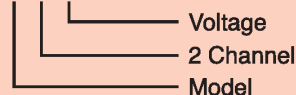
<b>Operating Temperature</b>	: -40°C to +80°C
<b>Storage Temperature</b>	: -40°C to +85°C
<b>Humidity</b>	: Up to 95% RH

### MECHANICAL

<b>Dimensions</b>	: 76mm(high) x 40mm(wide) x 75mm(deep)
<b>Connector</b>	: Single rear mount 11-pin submagnal

### ORDERING INFORMATION

#### Boxed ULD 9 2 X



X = 1	230V A.C.	ULD466921F
X = 2	115V A.C.	ULD466922F
X = 3	12 - 24V AC/DC	ULD466923F