



## DETECT LINE - SKY POMPIER

## POWER LINE DETECTOR

*Overhead electric lines detector for  
fire engine*



L'EXPERTISE DES RÉSEAUX

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## ● DETECT LINE POMPIER



### *Detection of high voltage overhead electric lines*



#### ➔ APPLICATION

DETECT LINE NG is a system dedicated to the prevention of accidents due to overhead power lines. It consists of a control and processing module, connected to a sensor, which detects the proximity of a medium or high voltage electricity line around a vehicle.

#### ➔ PRESENTATION

DETECT LINE NG is composed of a central processing unit connected to an antenna. The processing unit is usually installed inside the cabin. Two sensors antenna must be placed on both sides of the ladder. One box of visualization and acknowledgment allows to report the information on the instrument cluster, in front of the operator.

#### ➔ OPERATION

DETECT LINE NG detects the electric field around medium and high voltage overhead power lines.

The buzzer and a warning light alert the operator when the fire engine enters in a danger area (40 meters distance from a high voltage power line).

#### ➔ TECHNICAL SPECIFICATION

- Factory adjustable detection thresholds of a high voltage line from 40 m.
- Measurement accuracy : +/- 4 m for a moving speed of 1 m/s.
- Supply : 24 VDC ou 12 VDC.
- Size 85 x 100 mm (sensor), 160 x 130 x 60 mm (central unit).
- IP65.
- Operating temperatures : -20 °C à +60 °C.
- Self test.



## ● SKY NACELLE POMPIER

### *Detection of high voltage overhead electric lines*



#### ➤ APPLICATION

SKY NACELLE is a system dedicated to the prevention of accidents due to overhead power lines.

SKY NACELLE is used as a driving aid in complement with of our product DETECT LINE to protect the cradle.

#### ➤ PRESENTATION

SKY NACELLE is composed of 3 sensors for detection of medium and high voltage overhead electric lines.

The sensors are installed around the cradle. The central processing unit is installed inside the cradle.

The accuracy of locating is between 10 and 15 m ( $\pm 1$  m) for medium voltage.

#### ➤ OPERATION

SKY NACELLE detects the electric field around a medium and high voltage overhead power lines.

The buzzer and a warning light alert the operator when the fire engine enters a danger area between 10 meters and 15 meters.

#### ➤ TECHNICAL SPECIFICATION

- Limit detection : MV > 20 kV : 10 m < limit detection < 15 m.
- Measurement accuracy :  $\pm 1$  m dynamic, speed 1 m/s.
- Electronical Power : 24 VDC ou 12 VDC.
- Sensors Power : rechargeable battery
- Size : sensor 96 x 80 x 45 mm and unit processing 160 x 130 x 60 mm.
- IP65.
- Operating temperatures : -20 °C à +60 °C.
- Self test.



## ● The optional external radio report

### *Detection of high voltage overhead electric lines*



#### ➤ PRESENTATION

The optional external radio report unit is installed on the rear of the fire engine. It reports and shows the operator the same alerts informations than the SKY NACELLE and DETECT LINE.

#### ➤ REMEMBER

- Sensitivity limits of the system do not allow the detection of 230 V - 380 V overhead power lines.
- The system does not detect DC voltage.
- In all circumstances, the operator must maintain control of his vehicle.

