




**1- General:**

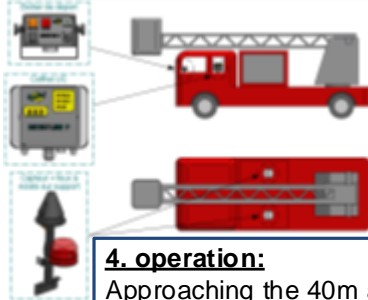
this device is permanently installed on the truck. It is calibrated to **detect high voltage overhead lines 20 000 V AC**, at a distance of about 40 m. It should be noted that a voltage greater than 20,000 V triggers the device more than 40 m distance.  
Important: the device does not detect Airlines DC (eg catenary railway, tramway)



The detection of high voltage overhead lines does not replace the vigilance of drivers and conductors who adhere strictly to the rules of caution related to choice of the setup of air assets, particularly in view of the ample space to maneuver in three dimensions and soil resistance to indentation.

**2. composition:**

- 1 Central Unit (located behind the seat of the head of area)
- 1 command headband (in front of the seat of the head of area)
- 2 sensors (on each side of the vehicle roof)



**3. Implementation:**

System startup is automatic when the DC power is on the platform. After performing a "TEST" for about 5 seconds, during which the lights "VIGILANCE" and "DANGER" light, the system emits two beeps. The LED "On" flashes all the time use.  
Note: If the system can not communicate with the sensors, the light remains fixed and the beeper is permanent.

**4. operation:**

Approaching the 40m area from a 20,000V line, the yellow LED "VIGILANCE" light up. If the 40m area of vigilance is reached, the red LED "DANGER" lights up and flashes in turn, the buzzer alarm is activated.

**5. In Transit:**

The device is ready to operate, but the visual and audible alarms remain invisible and silent. The voluntary use by the conductor the switch (switch (6) to manual alarm activation) allows to enable / disable the alarm in transit mode.

**6. In position:**

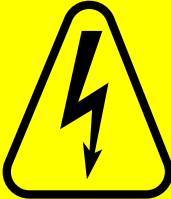
Whatever the position of the switch (6), the alarm will sound in the hazard area. According to the chosen installation, when the parking brake or the PTO is activated mode.  
Button "Acknowledgement" (5): Pressing this stops the alarm (with a booster every 30 s).  
The alarm is activated when the parking brake or the PTO is operated ..

**6. Maintenance:**


The device requires no special maintenance. However it is up to users to trace all malfunctions or defects noticed.



- 1: Buzzer alarm.
- 2: LED "On" (flashes when everything is OK, if Fixed problem communicating with the sensors).
- 3: LED "VIGILANCE".
- 4: LED "DANGER".
- 5: Button "Acknowledgement" for alarm only.
- 6: Switches manual alarm activation.



In the presence of high voltage overhead lines: the system prevents a 20,000V line in an 10 m area. If the voltage is greater than 63,000V, the area of vigilance will be about 20 meters. By cons on 15,000V line, area vigilance will be only 8 meters.



Detection does not prevent the manipulation of the platform, but inform the presence of a high voltage line near