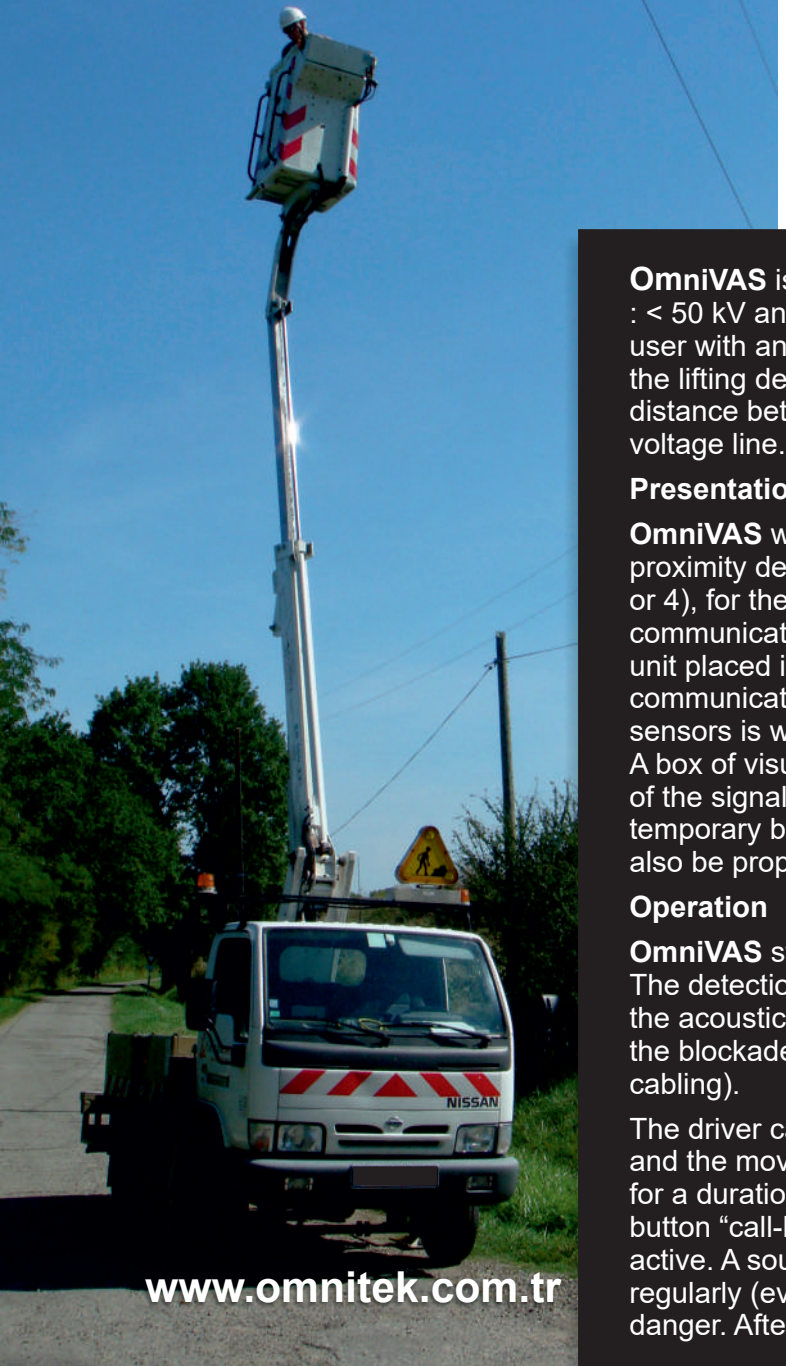
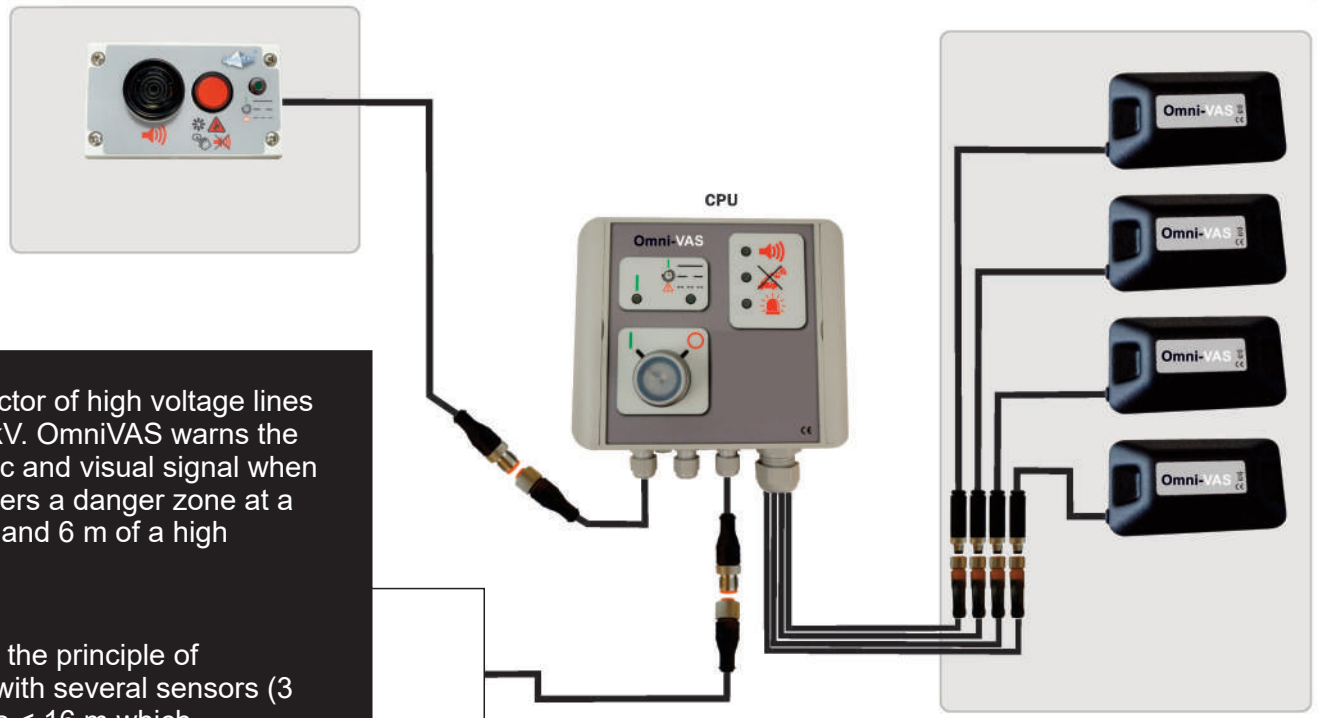
OmniVAS/HVDS

High Voltage Detection System





OmniVAS is a detector of high voltage lines : < 50 kV and > 50 kV. OmniVAS warns the user with an acoustic and visual signal when the lifting device enters a danger zone at a distance between 3 and 6 m of a high voltage line.

Presentation

OmniVAS works on the principle of proximity detection with several sensors (3 or 4), for the baskets < 16 m which communicate permanently with the central unit placed in the basket. The communication between the CU and the sensors is wired.
A box of visualization and acknowledgment of the signal is placed in the basket. The temporary blockade of the movements can also be proposed (dry contact available).

Operation

OmniVAS starts when the basket starts. The detection of the electric field turns on the acoustic and visual alarm and provokes the blockade of the movement (with effective cabling).

The driver can turn off the acoustic alarm and the movement blockade (if effective) for a duration of 20 minutes by pushing the button “call-back mode”. The light remains active. A sound alert will then be emitted regularly (every 30 seconds) to indicate the danger. After 20 minutes, the system resets.

Technical Specifications

- For a multi-sensors configuration, the configurable detection threshold upon installation varies from 3 to 6 m (10 to 17 feet) from a high voltage line
- Measurement precision : ± 1 m (3 feet) while moving, with a speed of 1 m/s (3.3 feet/s)
- Power supply : 24 VDC or 12 VDC
- Dimensions : 112 x 60 x 30 mm (cabled sensor), 145 x 85 x 90 mm (CU)
- and 120 x 80 x 70 mm (outside box of visualization)
- Waterproof standard : Ip65
- Temperature range : -20°C to +60°C
- Self-test system at each power-on
- The sensibility limits of the device does not allow to detect 230 V to 380 V power lines

www.omnitek.com.tr