



DETECT LINE NG for excavator

Wired detector

POWER LINE DETECTOR

Detection of high voltage overhead electric lines



DETECT LINE NG is a detector of high voltage lines : MT (< 50 kV) and HV (> 50 kV).

DETECT LINE NG warns the user with an acoustic and visual signal when the lifting device enters a danger zone at a distance between 10 and 40 m of a high voltage line.

➤ PRESENTATION

DETECT LINE NG is composed of a sensor placed on the actuator which communicates permanently with the central unit, placed in the cabin. A box of visualization and acknowledgment of the alarms is placed in the visual field of the driver in the vehicle.

➤ OPERATION

The DETECT LINE NG starts at the interlock of the power grip. A self-test is made. The detection of an electric field provokes the activation of the acoustic alarms (buzzer) and the visual alarms (danger light) in order to warn the user of the potential danger. The driver can turn off the acoustic alarm for a duration of 20 minutes by pushing the button "acknowledgment". The light remains active. A sound alert will then be emitted regularly (every 30 seconds) to indicate the danger. If the machine leaves the electric field area, the system resets.

➤ TECHNICAL CHARACTERISTICS

- ✓ Detection threshold around the sensor adjustable during installation from 10 to 40 m of a high voltage line
- ✓ Measurement accuracy : ± 2 m for a moving speed of 1 m/s
- ✓ Power supply : 24 VDC or 12 VDC
- ✓ Compact design : 85 x 100 mm (sensor), 160 x 130 x 60 mm (CU), 145 x 85 x 70 mm (inside visualization box)
- ✓ 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
- ✓ The system does not detect the presence of direct current voltage

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