NETWORK EXPERTISE

DETECT LINE NG
for auxiliary loading crane

POWER LINE DETECTOR

Detect the aerial lines of Medium and High Voltage

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MADE IN FRANCE

DETECT LINE NG for auxiliary loading crane

Detect the aerial lines of Medium and High Voltage

Cabin control monitor outside

DETECT LINE NG is a detector of high voltage lines : MV (< 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 second arm of the crane which communicates permanently with the central unit.
An exterior box of visualization and acknowledgment of the alarms is placed close to the crane cockpit.
The temporary blockade of the movements can also be proposed (dry contact available).

➲ OPERATION

The DETECT LINE NG starts when the machine starts. A self-test is done. The detection of an electric field turns on the acoustic alarms (buzzer) and visual alarms (danger light) of the outside box of visualization and the blockade of the movement (if effective cabling) in order to warn the user of the potential danger.
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. 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) 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
- ✓ The system does not detect the presence of direct current voltage