



# POWER LINE DETECTOR

## SKY NG RADIO for auxiliary and mobile loading crane Radio detector

### Protect persons and property thanks to high voltage overhead electric lines detector

SKY NG RADIO is a detector of high voltage lines : MT (< 50 kV) and HV (> 50 kV). SKY NG RADIO warns the user with an acoustic and visual signal when the lifting device enters a danger zone at a distance between 3 and 10 m of a high voltage line.

#### ➤ PRESENTATION

SKY NG RADIO works on the principle of proximity detection with several sensors, depending on the number of arms of the machine which communicate permanently with the central unit. An outside box of visualization (placed next to the cockpit of the crane) completes this equipment. The temporary blockage of the movements can also be proposed.

#### ➤ OPERATION

SKY NG RADIO starts when the machine starts.

The detection of the electric field turns on the acoustic and visual alarm of the exterior box of visualization.

The driver can turn off the acoustic alarm for 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. After 20 minutes, the system resets.

#### ➤ TECHNICAL CHARACTERISTICS

- ✓ For a multi-sensors configuration, the configurable detection threshold upon installation varies from 3 to 10 m from a high voltage line
- ✓ Measurement precision :  $\pm 1$  m while moving, with a speed of 1 m/s
- ✓ Power supply : 24 VDC or 12 VDC
- ✓ Dimensions : 160 x 85 x 45 mm (radio sensor), 160 x 130 x 60 mm (CU) and 120 x 80 x 70 mm (box of visualization)
- ✓ Waterproof standard : IP65
- ✓ Temperature range :  $-20^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$
- ✓ 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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