

Power line detector with wireless sensors

SKY RADIO 3

SKY RADIO 3 is a prevention system which operates according to a principle of proximity detection based on several sensors, depending on the number of arms of the crane/aerial bucket/machine to be equipped.

It warns the operator by an audible signal and a visual alarm when the moving parts of work at height of the vehicle are approaching the risk zone.

The detection distance can be configured between 3 and 6 meters (10 to 17 feet) from the high voltage line.

APPLICATION

- ◆ Concrete pump
- ◆ Conveyer belt
- ◆ Auxiliary cranes
- ◆ Hydraulic excavators
- ◆ Aerial Bucket
- ◆ Food tanker
- ◆ Agricultural machinery

OPERATION

SKY RADIO 3 is activated when the Power Take-Off of the vehicle (PTO) is engaged.

When the device detects the presence of the line, it triggers an audible and visual alarm while blocking the movement of the moving part at risk (optional). The blocking and alarms can be remotely deactivated under the responsibility of the operator, from the cabin control monitor or the external control monitor.

Acknowledgment by the operator deactivates the blocking of movement and the audible alarm for a configurable time, before returning to nominal operation. However the visual alarm remains active as long as a danger is present.

- ◆ Self-test system at each power-on
- ◆ Sensitivity limits of the system do not allow the detection of 230 V - 380 V line
- ◆ The system does not detect the presence of DC voltage



Cabin control monitor



Central unit



Outside control monitor



Sensor



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Product range summary

Products	Proximity detection from 3 to 6 m configurable (Wireless)		
	SKY RADIO 3 with outside control monitor	SKY RADIO 3 with cabin control monitor	SKY RADIO 3- SKY NACELLE RADIO 3
Conveyor belt	√ 4 sensors		
Concrete Pump 3 arms	√ 5 sensors		
Concrete Pump 4 arms	√ 7 sensors		
Concrete Pump 5 arms	√ 9 sensors		
Basket from 16 to 22 m			√ 4 sensors
Basket from 22 to 30 m			√ 6 sensors
Auxiliary cranes ≤ 16 m	√ 2 sensors		
Auxiliary cranes from 16 to 22 m	√ 4 sensors		
Auxiliary cranes from 22 to 30 m	√ 6 sensors		
Hydraulic excavators		√ 2 sensors	
Food tanker		√ 1 sensors	



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