

SKY NG RADIO

High Voltage Line Warning Systems for High-Lift equipment and vehicles
by **MADE-SA**

- **Protect Personnel & Equipment**
- **Multi Detector**
- **Visual & Audible warning**
- **No False Alarms**
- **Low Maintenance**
- **No Cables to Foul**
- **Fail Safe**
- **Robust Construction**
- **Long Life**

With over **4,000 systems** installed on Concrete Pumps, Cranes, High-Level Work Platforms, Fire Vehicles, Telescopic Forklifts, Nacelles etc., **SKY NG RADIO** has proved itself a cost-effective solution to the issues of personnel safety and equipment damage costs associated with mobile high-lift equipment. It is a multi-detector warning system to alert operators of an approach by any part of the high lift equipment to High Voltage lines. By measuring the electric field emanated by the cable, the system gives audible and visual warning when any of the sensors come within a warning distance configurable between 3 and 6 meters of an HV line or five meters of a line carrying more than 33kV.

Up to **15 sensors** can be mounted on the moving elements, and they communicate with a main processing module via multiple secure radio links. The condition of each sensor and the processing module is checked several times per second so that the operator is immediately warned of any malfunction or failure in the system. All the components are of robust and weatherproof construction for operation in all environments, and installation is straightforward on new or in-service equipment. It can be configured to suit operational requirements to give warnings only or also stop the movement towards the HV line.

Independent testing has established that the latest **SKY NG RADIO** is the best system for assuring the safety of your workforce.



SKY NG RADIO sensor.

These are simply bonded in place at strategic points on the moving elements of the equipment.

No cables are required.



Control Unit



SKY NG RADIO

Technical Characteristics

Measurement accuracy +/- 50 cm. of hypertension On line in a Free Field without field composition.

Power supply - 12 or 24 volts from vehicle, Sensors by Lithium Battery

Operating temperature - -20 to +60 °C

Weatherproofing to IP 67

Size – Processing Unit - 160 x 120 x 90 mm. Sensors – 160 x 100 x 80 mm.

Standards applied NF EN 50082-1 CEM & 61010-1 Electrical Safety