GIGASENSE

Vision ZERO accidents in the industry

Keeping people and equipment safe since 1951

GIGASENSE® II

The GIGASENSE II emerges as the epitome of anti-collision technology, providing a fail-safe solution for track-bound cranes and similar equipment in the toughest industrial environments. With unparalleled ease of installation, robustness, and maintenance-free operation, it sets a new standard for safety and efficiency.

Quality | Maintenance free | Robust | Plug & Play

GIGASENSE® II

Range of application

Designed to withstand the harshest conditions like steelworks, harbours, and mines, GIGASENSE II operates in a fail-safe manner. The A- and B-units employ different frequencies and polarizations, creating a robust radar reflection. Rain, dust, fog, or sunlight won't hinder its performance.

Function

Protecting two cranes simultaneously is seamless with A- and B-units, each comprising an active antenna and relay box. Utilizing Stepped Frequency Continuous Wave radar technology, distances and relative speeds are calculated, ensuring precision in collision avoidance. Relay boxes collaborate to set alarm limits, reducing speed and halting crane movement when needed. Accessible settings via a display and push buttons make adjustments a breeze. The following setting modes are available:

Mode1. Speed dependent relays (the alarms are active if the speed exceeds the minimum speed settings).

Mode 2. Distance dependent relay (the alarms are active when the crane is within the limit).

Safety

The GIGASENSE II is not just an anti-collision system; it's a safety powerhouse. With three potential-free relays for warnings, stopping crane movement, and identifying failures or unidentified objects, the system provides a robust safety net. An analogue output further enhances monitoring capabilities for remote displays, indicating distance between cranes.

Technical data

Speed range
0.05-3 or 5 m/s

Alarm limit range
(varies between different countries transmission power limitations)

Protection class
IP 56 (Antenna) IP66/67 (Relay unit)

Dimensions
Antenna
440 x 359 x 372 mm
17.3 x 14.1 x 14.6 inch
Relay box
175 x 125 x 75 mm
6.8 x 4.9 x 2.9 inch

Weight
5.9 kg (13 lb) Antenna
0.8 kg (1.76 lb) Relay box

Temperature range
-25 to +70°C
-13 to 158°F

GIGASENSE AB
Stationsvägen 16 • SE-18450 Åkersberga • SWEDEN
Phone: +46 (0)8 540 839 00 • **E-mail**: INFO@GIGASENSE.SE
www.gigasense.se

GIGASENSE

Gigasense products within Force Measurement and Crane Safety are well known high quality products, built from many years' experience and used by leading heavy duty industry around the world.

Gigasense products meet the highest demands of performance level requirements.

Gigasense are represented by selected local distributors in more than 30 countries on six continents.

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