

SMART CRANE COMMUNICATION SYSTEM MODEL CAS-HF

SMART INDUSTRIAL CRANE COMMUNICATION SYSTEM

(CAS-HF) is ideal for locations where communication through any means is not possible either because of impossible position in giant & high cranes. The communication is enabled by use of foot switch lever provided. The incoming voice is heard over the loudspeaker.



SMART CAS-HF UNIT operates on 220 V AC or 110 VAC. The unit is sealed dustproof type with inbuilt amplifier body.

VERSATILE APPLICATIONS: -

□ Giant & High Cranes □ Cement Plants. □ Mines. □ Petrochemical Refineries. □ Chemical Plants. □ Construction Sites. □ Steel Plants. □ Spinning Yarns □ Fertilizer Plants. □ Sugar Mills. □ Power Generation Facilities □ Pulp & Paper Mills □ Food Processing Plant □ Warehouses □ Ammonia Storage Area □ Recreation Facilities □ Hydroelectric Facilities □ Drilling Rigs □ Ammonia Storage Area □ Process industries □ ANY LARGE AND MEDIUM SCALE INDUSTRIAL UNITS.

Operation:-

- 1) Press the paddle for the duration one wants to talk.
- 2) Once message is conveyed release the paddle. After paddle is released amplifier is shut off, thus unable to convey message again.
- 3) At first when paddle is pressed, one can hear two beeps, which won't appear if paddle is pressed again within the time of nearly 10-12 seconds from the moment paddle is released. Beep will sound again if time difference between last releasing the paddle and again pressing the paddle is more than 10-12 seconds.
- 4) If paddle is pressed again within 10-12 seconds after releasing, time will reset and starts again from zero seconds after the release.

1. SYSTEM INTEGRATION

The system consists of:-

- 1) AMPLIFIER
- 2) LOUDSPEAKER
- 3) MICROPHONE

1) Amplifier

Power Source: 220 V AC / 110 V AC (SWITCH CABLE)
Power consumption: < 35 Watts.
Stand by consumption: < 5 Watts.
Amplifier: 30 Watts(RMS)
Audible range frequency response 300 -3400 Hz.

2) Loudspeaker Horn (MODEL –LSOD)

Coil resistance. 6 Ohm
Coil impedance@ 1 KHz 8 Ohm.
Rated output watt RMS 60 Watts
Sound level@ 30 watt RMS 70 dB

3) MICROPHONE S-MIC:-

Transducing Mode: Electronic Condenser
Frequency Response: 50-17KHz
Output Impedance: 2.2Kw
Sensitivity: -54+3dB
Cable: Winding

4) Mechanical Specifications:-

Dimensions: 160 X 250 X 90 (in mm)

5) Environmental:-

Moisture Resistance: 0 to 95% humidity with PCB conformal coated.
Temperature Range: 0 to +60C.
Dust resistance: Fully weather proof enclosure.

INDUSTRIAL COMMUNICATIONS SIMPLIFIED

cables & wireless co.

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“(Specifications and description subjected to change without prior notice)”