

SMART CRANE COMMUNICATION SYSTEM (MODEL CCS-HF).

SMART INDUSTRIAL CRANE COMMUNICATION SYSTEM (CCS-HF)

THE SYSTEM IS DESIGNED TO GIVE COMMUNICATION LINK BETWEEN THE CRANE OPERATOR AND THE VARIOUS LOCATIONS IN THE CRANE UPTO 5 MAX.

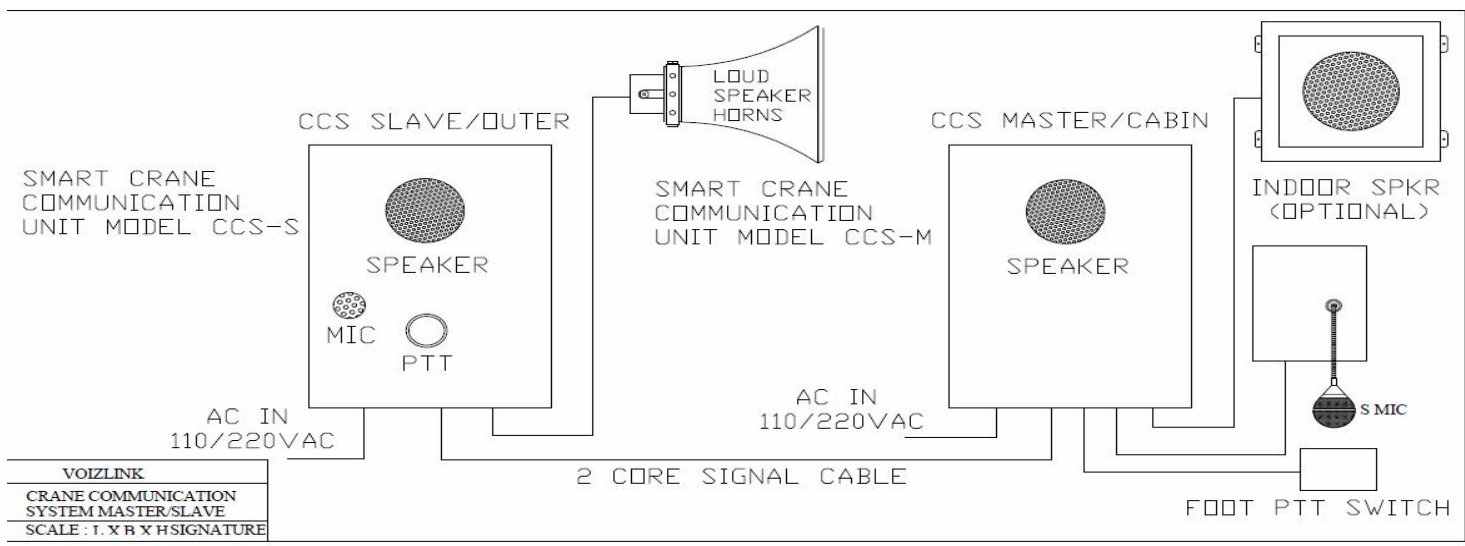
THE STATION IN THE CRANE CABIN HAS INDOOR METAL SPEAKER, GOOSENECK MIC AND FOOT PTT SWITCH FOR COMMUNICATION

THE STATIONS OUTSIDE THE CRANE CABIN HAVE INTEGRATED CANOPY DESIGN METAL BODY WITH FRONT PLATE SPEAKER, MIC AND STAINLESS STEEL PTT SWITCH FOR COMMUNICATION. THE UNITS ALSO HAVE HIGH POWER EXTERNAL SPEAKERS WHICH ANNOUNCE INCOMING CALL.

SMART CCS UNIT operates on 220 V AC or 110 V AC.



SYSTEM CONFIGURATION



FEATURES

CRANE CABIN MASTER UNIT

- 1) EXTERNAL METAL BODY SPEAKER 10 WATTS
- 2) GOOSENECK MIC MOUNTED ON THE CABINET
- 3) FOOT METAL PTT SWITCH

CRANE SLAVE UNIT

- 1) PANEL MOUNTED SPEAKER (3 WATTS) , MIC , STAINLESS STEEL SWITCH
- 2) THE UNITS ARE SEMI DUPLEX IN OPERATION. SPEAKERS ARE MUTED WHILE PTT SWITCH IS ACTIVE.

OPERATIONS: -

WITH NO PTT PRESSED THE UNITS ARE READY TO RECEIVE INCOMING MESSAGE FROM THE OTHER LOCATIONS.

BY PRESSING THE FOOT PTT SWITCH OF OPERATOR CABIN THE ANNOUNCEMENT IS MADE OVER THE SPEAKER (EXTERNAL) OF THE FIELD SLAVE UNITS.

THE FIELD SLAVE UNITS TALK BACK BY PRESSING FRONT PANEL PTT SWITCH AND SPEAKING IN THE MIC.

THE COMMUNICATION IS ALWAYS SEMI DUPLEX. BY PRESSING PTT SWITCH THE MESSAGE CAN BE TRANSMITTED. DURING TRANSMISSION THE SPEAKER OF THE CALLER UNIT IS MUTED.

THE LOUDSPEAKERS CUT OFF DURING THE COMMUNICATION; MESSAGE IS HEARD OVER THE INTERNAL SPEAKERS OF THE SLAVE UNITS.

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.**

SMART CHOICE: -

- Simple Installation.
- Simple Operation, working on 220/110 V AC.
- 18 gauge rugged steel powder coated construction.
- Sleek S-type mic.
- Inbuilt internal speaker for hearing.
- FOOT LEVER PTT SWITCH for communication.
- Inbuilt amplifier.
- Environment Protected.
- Single PCB design for plug n play operation
- Easy troubleshooting insuring minimum downtime

SMART CABLE:-

NON SPECIALITY NON CRITICAL CABLES

- 0.5 / 1. sq mm cable in parallel loop from the SLAVE to MASTER UNIT.
- 1.5 sq mm 3 core POWER cable for SLAVE UNIT / MASTER UNIT.
- 0.75 mm, 2 core, flexible cable for LOUDSPEAKER

SPECIFICATIONS: -**MASTER****Electrical Requirement:-**

Power consumption	< 15 Watts.
Stand by consumption	< 5 Watts.
Amplifier	20 Watts (RMS).
Speaker	10 Watts
Insulation	600 V for 3 min between power source & parallel line.

Mechanical Specifications :-

Dimensions	220 X 220 X 80 mm.
Weight	2 Kgs.
Construction	ABS IP65 CABINET.
Standard mounting	Vertical wall / panel/ flush type
Mic	S mic.

Environmental :-

Moisture Resistance	0 to 95% humidity with PCB conformal coated.
Temperature Range	0 to +50C.
Dust resistance	fully gasketed enclosure.

SLAVE**Electrical Requirement: -**

Power Source	220/110 V AC.
Power consumption	< 35 Watts.
Stand by consumption	< 5 Watts.
Amplifier	30 Watts (RMS).
Horn Speaker	60 Watts, 8 Ohms.
Internal Speaker	3 Watts, 8 Ohms.
Insulation	600 v for 3 min between power source & Parallel line.

Mechanical Specifications: -

Dimensions	360 X 160 X 180 (in mm).
Weight	5 Kgs.
Construction	16 gauge Powder Coated Steel Body.
Standard mounting	Vertical wall / panel.
Microphone	Noise canceling dynamic.

Environmental: -

Moisture Resistance	0 to 95% humidity with PCB conformal coated.
Temperature Range	0 to +60C.
Dust resistance	fully weatherproof enclosure.

INDUSTRIAL COMMUNICATIONS SIMPLIFIED .

Cables & Wireless Co.

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"(Specifications and description subjected to change without prior notice)"