

# SMART PAGE / PRIVATE (MODEL WMHS-I)

**SMART PAGE/PRIVATE SYSTEM** provides paging and private-line capabilities, two important plant communication functions in one reliable, easy to commission, maintain & simple to operate package. Through the page function individuals can be contacted anywhere in the facility. For further communication, the Private line function allows two or more people to converse without being heard over the loud speakers.

**SMART PAGE/PRIVATE SYSTEM** is based on distributed amplifier Principle. Each indoor/outdoor wall station contains a Single PCB for driving speakers. This configuration offers a major advantage: when any set is removed, only the associated speaker is inoperable; all other units in the system will continue to broadcast page. All stations are connected in parallel loop and systems may be expanded by extending only 3 core signal cable from nearest page / private unit.



Operation is simple: the user lifts the station handset no need to press any button for paging. As soon as the handset is lifted all other on hook sets go to paging mode automatically. Speaking directly into the handset, the user announces his page. The responding individual lifts the handset of his nearest **SMART PAGE/PRIVATE UNIT** and presses a **PAGE CANCEL BUTTON** to cancel the ongoing paging on other stations for telephone-type, duplex communication over the private line.

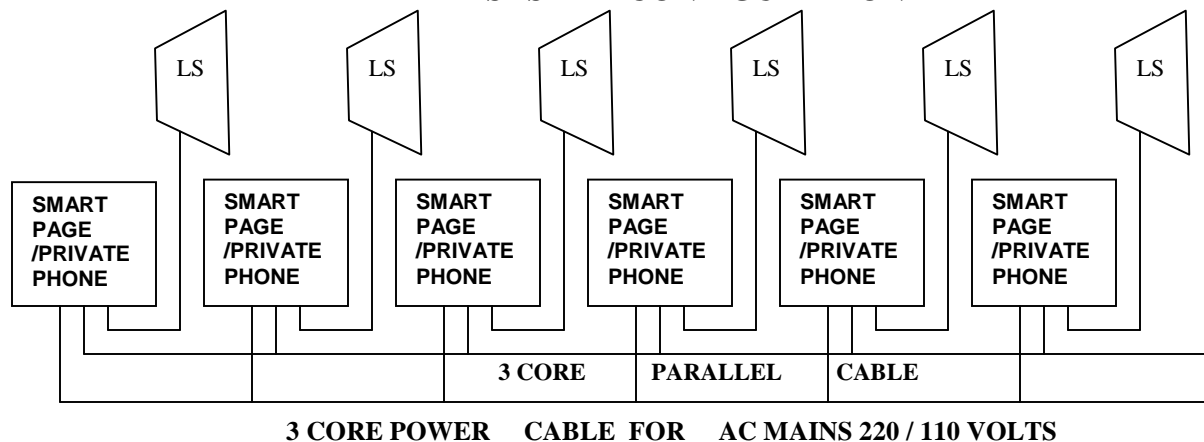
## OPERATIONS: -

- Lift the handset of any PAGE / PRIVATE UNIT.
- All other set gets automatically activated.
- Whatever is said in the mouthpiece of the paging UNIT is announced over the loudspeaker of all other UNITS.
- After lifting the handset press PAGE CANCEL button. This will deactivate all the loudspeakers.
- Both the sets can now communicate in private.
- Other party can page by lifting its handset while other communication is in progress
- By going on hook, communication is resetted.

## VERSATILE APPLICATIONS: -

\* Cement Plants \* Mines. \* Petrochemical Refineries. \* Chemical Plants. \* Construction Sites. \* Steel Plants. \* Spinning Yarns \* Fertilizer Plants. \* Sugar Mills. \* Power Generation Facilities \* Pulp & Paper Mills \* Drilling Rigs \* Process industries \* ANY LARGE AND MEDIUM SCALE INDUSTRIAL UNITS.

## SYSTEM CONFIGURATION



### SMART CHOICE: -

- **UN LIMITED NO. OF PAGE/PRIVATE UNITS CAN BE CONNECTED IN PARALLEL LOOP.**
- 16-gauge enclosure with powder coat finish.
- Heavy industrial handset & cord.
- Noise canceling dynamic microphone.
- Magnetic reed hook-switch reduces moving parts subject to wear.
- A service temperature range from 0 to +60 C.
- Encapsulated circuit boards impervious to water and condensation.
- Single PCB design for plug & play operation.
- Easy troubleshooting ensuring minimum downtime.

### CABLING:-

The different cables required for the system are:

- 1.5 sq mm 3 core cable in parallel loop for the SMART PAGE / PRIVATE UNIT.
- 1.5 sq mm 3 core POWER cable for EACH SMART PAGE / PRIVATE UNIT.
- 24/0.2 mm, 2 core, ATC, PVC insulated, Twin twisted cable for LOUDSPEAKERS

### SPECIFICATIONS: -

#### Electrical Requirement: -

Power consumption	< 35 Watts.
Stand by consumption	< 5 Watts.
Amplifier	30 Watts (RMS).
Horn Speaker	60 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.

**CONFIRMING TO IP 65-DEGREE PROTECTION.**

**INDUSTRIAL COMMUNICATIONS SIMPLIFIED .**

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