

# SMART

**PAGE / PRIVATE**

## **2 CHANNEL PA SYSTEM(MODEL WMHS-I)**

**SMART PAGE/PRIVATE SYSTEM** provides paging and private-line capabilities, two important plant communication functions in one reliable, easy to use, commission & maintain in one simple 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 signal cable from nearest page / private unit.



Operation is simple, the user lifts the station handset the set goes to private mode automatically. In case the party needed is already on private communication mode there is no need to make the paging announcement thus resulting in saving of time by the caller. By pressing the page button and Speaking directly into the handset, the user announces his page. The responding individual lifts the handset of nearest SMART Page/Private station and communicates with the calling person. On releasing the page button by the calling party the called party can be heard.

### OPERATIONS: -

- Lift the handset of any PAGE / PRIVATE UNIT.
- Press the page button for paging.
- All set goes to paging mode.
- Whatever is said in the mouthpiece of the paging UNIT is announced over the loudspeakers of all UNITS.
- After releasing the PAGE button the sets are in private mode.
- On lifting the handset from any other location communication can be established.
- Both the sets can now communicate in private mode.
- Other party can page by lifting its handset and pressing the page button while other communication is in progress
- By going on hook, communication is resetted.
- Press the LS mute switch to disable the loudspeaker while communication is in progress in private mode.
- Separate page / private Channels.

## 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.

## CONSTRUCTION:-

The field equipment is rugged, elegant and is weatherproof type with integrated canopy. The equipment is constructed from tough 16 gauge steel sheet and is properly designed to meet the harshest of industrial environment. The units are rugged, robust in construction, corrosion resistance and are least susceptible to hostile environmental conditions like dust, water, high ambient noise, high temperatures etc. each unit has built in amplifier of 30 watts (RMS) and has built in protection for short circuit and overloading.

## CABLING:-

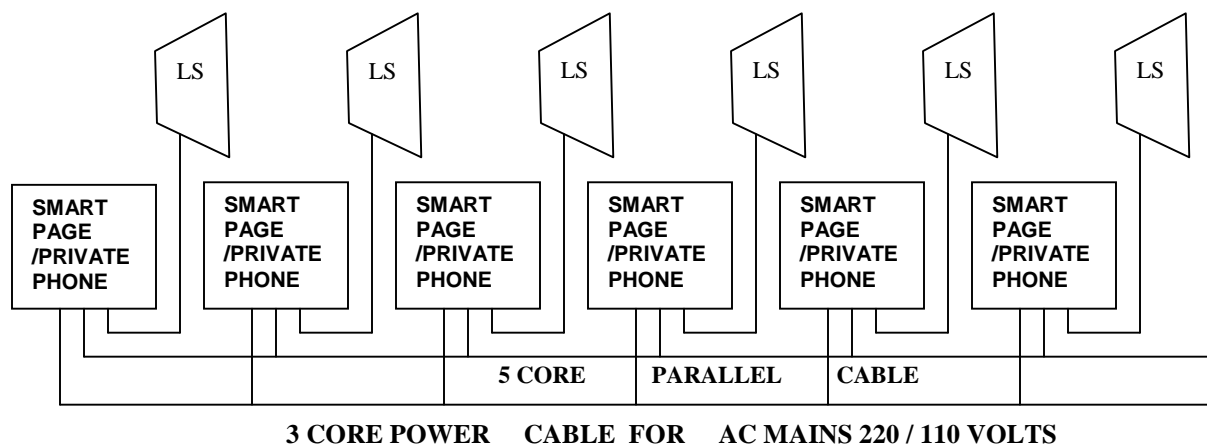
The different cables required for the system are:

- 1 sq mm (max) 5 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

## 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.

## **SYSTEM CONFIGURATION**



**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 .**

## Cables & Wireless Co.

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