

FBXWACS08Z: 8 remote wireless calling system customized

Technical specification



Model: FBXWACS08Z

8 remote wireless calling system (without remote cancellation)

Features:

- Remote TOP button: to call (summon) peon
- RED button on the receiver indicator to cancel the call
- 8 BLUE indicator – one for each corresponding remote
- 1 green light indicator for power supply (on indicator receiver)
- 1 buzzer, blows when call button pressed
- Remote has 1 red light indicator to indicate button press

Technical details:

- Remote transmitter PA +10dbm
- Receiver sensitivity: – 110dbm
- Operating frequency: 380 – 480 MHz
- System operates works on signal hop mechanism. Signal transmission happens at more than 12-15 predefined frequencies
- Modulation type: GFSK
- Radio IC: CC1100 (Chipcon/TI) and other equivalents in sub-GHz freq.
- Modulation: GFSK
- Data packet error correction mechanism: FEC

Operating voltage:

Remote controller

- 12 Volt DC battery (at the bottom)
- Battery model: 23A
- Battery life: 2-3 years
- Battery type: Alkaline (dry)
- Battery replaceable: Yes
- Battery rechargeable: No

Receiver indicator

- 12 Volt DC (110-220VAC/50-60Hz) adapter supplied

Signal transmissions:

Make sure to press a button for at least 2-3 seconds for reliable transmission. This increases the range of communication

Range of communication:

- 20 – 30 meters indoors
- 100 – 120 meters outdoors (line of sight)

Precautions and mounting locations:

- Remotes mounted on the top of door / wall / bed
- Easy mounting of remote jacket with 2 screws
- For indoor purpose use only
- Keep away from metallic enclosures
- Do not connect the battery in opposite direction

- Receiver unit can mount on the wall
- Or even simply kept on the table

Wireless peon calling system:

Receiver indicator Size: 180 x 180 x 30 mm

Weight: 230 gms

Remote controller size: 120 x 40 x 20 mm

Remote controller weight: 45 gms

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Application and features:

- Nurse call system for hospitals: remote with patients
- Steam bath sauna rooms / spas / restaurants etc.
- OPD token system for dispensaries: remote with doctors
- Office peon calling system: remote with clerk / manager
- Guest house attendant call unit: remote with customers in room
- Office peon calling, school peon calling system