



**Model: FBXWACS09**

### 9 remote wireless calling system

#### Features:

- 9 BLUE indicator – one for each corresponding remote
- 1 green light indicator for power supply (on indicator receiver)
- 1 buzzer, blows when call button pressed (+85db loudness)
- Every remote has 1 red light to indicate button press
- Remote TOP button: to call (summon) peon
- Remote CENTER button: to call (summon) peon (with a different buzzing frequency)
- Remote BOTTOM button: to cancel the call

#### Technical details:

- Remote control transmitter PA +10dbm
- Receiver indicator sensitivity: -112dbm
- 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) sub-GHz frequency
- Data packet error correction mechanism: FEC

#### Operating voltage:

#### Receiver indicator:

110-220VAC/50-60Hz to 12VDC converter adapter (supplied)  
Users can also plug to any 12V external battery. Active working hours depends on the battery power

#### Remote controller:

Battery model: 23A / 12 Volt (DC battery)  
Battery life: 2-3 years. Battery type: Alkaline (dry).  
Battery replaceable: Yes. Battery rechargeable: No  
Battery mounting: Back cover  
Battery life: 3-4years, depending on the usage

#### RF antenna:

PCB trace antenna / wire coil antenna / metal antenna (depends on environment necessity)

#### 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

#### Range of communication:

- 20-30 meters indoors (depending on environmental condition)
- 100-150 meters outdoors (in open line of sight)

Pressing the button for at least 2-3 seconds improves the range of communication

#### 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

#### Dimensions:

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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