

# FBX623: Wireless call button (IP65 enclosure)

## Technical specification



**Model: FBX623**

**Wall mount IP65 wireless call button (with metal antenna)**

### Features:

- FBX623: 1 call button and 1 for cancel button
- 1 Blue light indicator glows on call button press
- Buzzing sound on press of any of the CALL buttons
- Metal antenna for improved range

### Technical details:

- Transmitter PA +10dbm
- Operating frequency: 315– 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

### Battery and operating voltage:

12 Volt (DC battery)

Battery model: 23A

Battery life: 2-3 years

Battery type: Alkaline (dry)

Battery replaceable: Yes

Battery rechargeable: No

Battery mounting: Bottom

Battery life: 3-4years, depending on the usage

### RF antenna:

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

### Mounting provisions:

Wireless wall mount calling button needs to be secured on the wall or any vertical surface using 4 screws

Extending the metal antenna improves the signal range

### 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

### Precautions and mounting locations:

- Mounted on the top of door / wall / bed
- Easy mounting with 4 screws to secure it tightly
- IP65 enclosure unit, robust and weatherproof
- Keep away from metallic enclosures
- Do not expose battery to water and moisture

### Wall mount calling unit:

Enclosure type: IP 65 (color grey)

Size: 150 x 90 x 55 mm

Weight: 230 gms

### Range of communication:

- 50-80 meters indoors (depending on environmental condition)
- 500-800meters outdoors (in clear and open line of sight) with no obstruction

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

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