

FBX625: Wireless handheld remote controller

Technical specification



Model: FBX625

Handheld wireless remote controller (150-500m) in open line of sight (IP65 enclosure)

Features:

- 2 buttons (ON / OFF)
- GREEN button – ON signal
- RED button – OFF signal
- 1 RED light indicator for calling button press indication
- Metal antenna for improved range

Technical details:

- Transmitter PA +15dbm
- 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
- [Make sure to keep the remote in OFF mode, by sliding the OFF switch on the right side. This saves battery and improves life]

RF antenna:

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

Application and features:

- Panic alarms and siren ON/OFF
- Motor pump ON/OFF
- Gate opening and closing from a distant location
- 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:

- IP65 enclosure unit and robust ABS quality
- Keep away from metallic enclosures
- Do not expose battery to water and moisture

Handheld calling unit:

- Enclosure type: plastic grey
- Remote controller size: 100 x 50 x 28 mm
- Antenna length: 185 mm
- Remote controller weight: 180 gms
- Additional hanging ribbon attached

Range of communication:

- 50-80 meters indoors (depending on environmental condition)
- 150-500 meters 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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