

# FBX7L02S05M : Wireless long range siren receiver

## Technical specification



### FBX7L02S05M

#### Wireless long range siren receiver with display

##### Features:

- Long range wireless receiver unit (in metallic enclosure)
- 118 decibel siren to the receiver unit for alert sound
- 2-digit indicator display to showing the calling transmitter number
- 1 indicator RED light in the front (to show siren status)
- 1 indicator BLUE SYNC light to check signal reception
- Transmitter ON signal triggers the SIREN and displays the transmitter number at the console indicator
- Transmitter OFF signal triggers turns OFF the siren and makes the display - -
- Long range (1-meter) wire / rubber duck antenna (+3dbi)
- Compatible with high power transmitters FBX7xx series

##### Range of communication:

2 – 3 km

##### Wall mount receiver siren:

Enclosure type: IP 55 (color grey)  
Metallic enclosure dimension: 300 x 300 x 170 mm  
Weight: 4500 gms  
Internal circuits in IP65 ABS enclosure

##### Technical details:

- Operating frequency: 380 – 480 MHz
- Receiver operates works on signal hop mechanism. Reception happens at more than 12-15 predefined frequencies
- Modulation type: GFSK
- Radio IC: CC1100 (Chipcon/TI) and other equivalents in sub-GHz freq.
- Receiver sensitivity: – 112 dbm
- Modulation: GFSK
- Data packet error correction mechanism: FEC
- 1m wire / rubber duck antenna (+3dbi)

##### Precautions and mounting locations:

- Should not directly connect to motors to avoid initial boot up surge currents
- Mounted on the top of wall
- Easy mounting with 4 screws to secure it tightly
- IP65 enclosure unit, robust and weatherproof
- For out door only
- Keep away from metallic enclosures

##### Application and features:

- Panic alarm in buildings (in case of emergency)
- 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

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# FBX7L02F : 2-digit console display long range receiver

## Technical specification



Make wire connection as shown

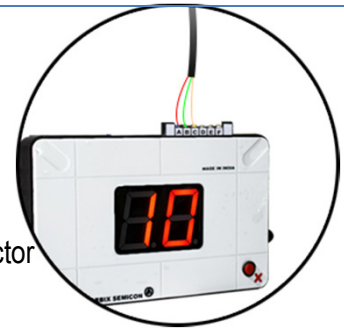
1-1 connections as on the connector  
**1234** of metal box connects to  
**1234** of receiver unit  
OR  
**ABCD** of metal box connects to  
**ABCD** of receiver unit

Connect adaptor power supply

Power (top) GREEN LED glows  
Button (middle) RED LED is off  
SYNC (bottom) LED blinks for 20sec

Siren starts buzzing when triggered  
By transmitter

Displays the transmitter number



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# FBX7L02CM : 2-digit display receiver console

## Technical specification



### Possible display configurations:

00, 01, 02, 03, ..... 99. Alphanumeric numbers also possible for 2/3/4 digit displays. Examples, A1, b2, c3, d4, E5, e5, F6, G7, HP01, i28, J452, L89, n02, P6, r412, t5, u58, U12, y8, 3012, 4569, 85A2, etc.

### Receiver console station

Receiver console size: 240 x 165 x 45 mm  
Display (each unit size ) 48 x 65 mm  
Weight: 450-580 gms (2 – 4 digits )

**Model: FBX7L02CM**

### 2-digit receiver display console

#### Features:

- Volume control knob to module beeping sound
- Number cancellation button
- Display self-check at power up
- (Customized design) to turn OFF indicator with short range wireless remote control

#### Technical details:

(unit does not contain radio receiver)

Wired connection to the receiver unit

Button on the unit to turn OFF the display

#### Operating voltage: (12V)

110-220VAC/50-60Hz to 12VDC converter adapter supplied.

Unit can also be plugged to any 12V external battery. Active working hours depends on the battery power

#### Receiver console

- 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

#### Application and features:

- Long range panic alarm display to show the calling transmitter number (works with all 7xx transmitter)

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