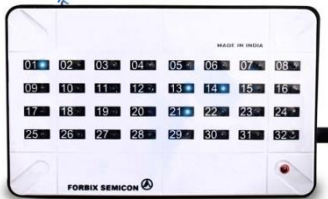
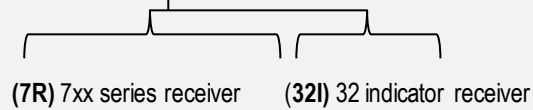


Long range receiver



32 indicator panel to display calling transmitter number

### FBX7R32I 32 indicator wireless long range receiver



#### Features:

- Multi-channel receiver, capable of receiving signals from 7xx long range transmitters (3-4kms away)
- 1 power supply indicator in (receiver metallic box)
- 1 BLUE SYNC indicator to check signal reception
- 1-2 meter wire antenna
- Compatible with transmitters of FBX7xx series (only)
- 32 indicator panel is wired to the receiver unit
- Each indicator unit in the panel corresponds to respective (FBX7xx) transmitter
- It is possible to wirelessly connect 32 different (7xx) transmitter at 32 locations
- Each transmitter sends RF signals for 8-20 seconds (programmable on order). The longer duration of transmission ensures long range of communication
- The receiver unit has an extendable 1-2 meters wire antenna (50 Ohms coaxial cable)
- The receiver unit and the 32 indicator panel has separate power supply adapters

#### Technical details:

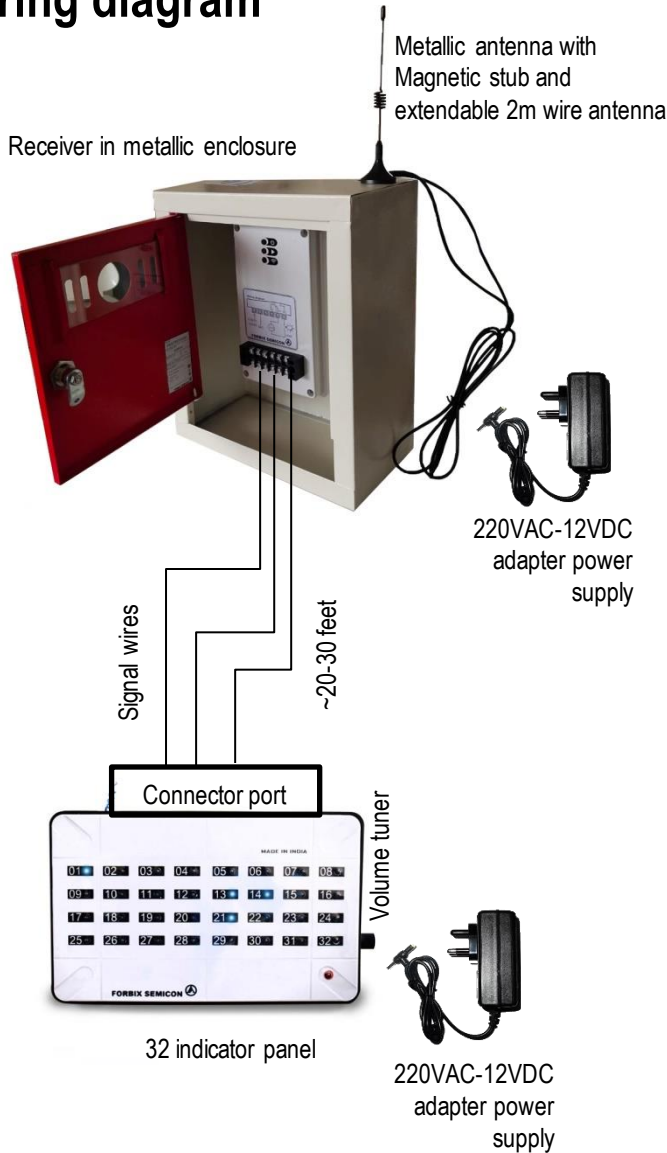
- Operating frequency: 315– 480 MHz
- System works on signal hop mechanism. Reception happens at more than 12-15 predefined frequencies
- CRC on data payload: Enabled
- Packet Error Rate: PER (1%)
- Redundancy packet feature: Enabled
- fOsc = 32MHz
- Modulation type: GFSK
- Radio IC: CC1100 (Chipcon/TI) and equivalents in sub-GHz freq.
- Receiver sensitivity: – 112 dbm
- Operating voltage of the transmitter: 12VDC
- Operating temperature: 25 ° C

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## Wiring diagram



### Precautions and mounting locations:

- Receiver metallic box unit should be mounted as high as possible (12-18 feet or more in rural areas)
- Both the metallic box receiver and the indicator unit can be mounted on wall with keyholes
- Make sure
- IP55 metallic enclosure weatherproof unit
- IP65 ABS for electronic circuits (internal box)
- Antenna keep away from metallic surfaces

### Wall mount calling unit:

Enclosure type: IP 65 (color grey)  
Size: 290 x 250 x 125 mm  
Weight: 1280gms

### Application and features:

- Indicator for long range panic alarm for defence
- Factory maintenance person alert from production line or shop floors
- Attendant calling system for long distances

### Operating voltage:

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.

### Customized designs:

- 12-24V input power supply
- Reverse connection protection circuits
- Internal buzzing sound from indicator
- Volume control on indicator panel
- Available indicator light colors (RED / BLUE / GREEN / YELLOW)

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