

FBX7L02R: Wireless long range receiver indicator

Technical specification



Displays

7 segment display (2-digit) [100x70 mm]
Self test counting from 00,11,22...99 at boot up

Dimensions of unit:

Enclosure type IP 65 (color black)
Unit size: 235 x 120 x 65 mm
Weight: 500 gms

FBX7L02R:

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How the receiver operates

The receiver responds to the transmitter remote controller or wall mount panic button. On sensing the signals from the remote, the corresponding remote number is displayed. It is advisable to mount the receiver display unit at an elevated location. Stretching the antenna wire, straight up and pointing to the sky, improves the range even further

Technical details:

Receiver sensitivity: -112 to -135 dbm
168 dbm is the maximum link budget
Operating voltage of the transmitter: 12VDC
Operating temperature: 25 °C
Operating frequency: 380-480MHz
CRC on data payload: Enabled
Packet Error Rate: PER (1%)
Redundancy packet feature: Enabled
fOsc = 32MHz
Radio IC used CC1100 (from Texas Instruments) [Sub-GHz frequency]

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.

Application and features:

The receiver display shows the calling remote number at the centralized location. The informs with a beeping sound which of the distributed transmitters is calling

- Panic alarm system (for security purpose)
- Border patrol alarm system (for post number)
- Centralized utility management devices (for factories and industries)

Note: For FBX722 transmitters, there is an additional switch provided on the unit to reset the calling number. This button is not provided for other types of FBX 7xx transmitters

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