

FBX701AS: Wireless long range siren transmitter

Technical specification



Indicators at the transmitter unit

Power supply – GREEN

Signal – RED

RED ON – Panic button is pushed

RED OFF – Panic button is released

SYNC – Synchronizing signal to the receiver (BLUE LED)

Wall mount calling unit:

Size: 235 x 120 x 65 mm

Weight: 600gms

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.

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FBX701AS

Wireless long range siren transmitter

Features:

- Long range transmitter with 118 decibel siren alarm (inbuilt)
- The transmitter sends panic button ON / OFF signaling status for 15 seconds continuously. The transmitter connects to a button box with potential free alarm button.
- On press of alarm button the siren activates and the transmitter send signals. Any change in the input status would be informed to the receiver. The receiver unit can be a pump controller, a siren, an alarm, or even a potential free contactor point for controlling any external load.
- The range of the transmitter to the receiver unit is 2-3 Kms. The button box should not be located more than 8-10 meters away from the transmitter siren unit.

Technical details:

+28dBm (100mW) constant RF output

+14dbm high efficiency PA for the transmitter

168 dbm is the maximum link budget

Siren loudness: + 118 decibels

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]

Pin description:

[1]: channel 1 signal 1 output

[2] : channel 1 loop signal

[3] GND: return path for signal 1 indicator

[4]: internally connected to 1

[5] : internally connected to pin 2

[6] GND

• ON/OFF signals transmits for 10-20 seconds, (depending on the application). SYNC indicator blinks for every transmission packet

• For FBXTX701A transmitter, signal pin 1 and 4 pins are internally connected to each other.(since it is a signal channel transmitter).

FBX702A transmitters have independent signal pins

Application and features:

- Panic alarm in buildings (in case of emergency)