

FBX701A : Wireless long range transmitter

Technical specification



FBX701A

Long range 1-channel signal transmitter (wall mounted)

Features:

- Single channel long range transmitter (2-3Kms range)
- Can be triggered by panic button or external devices
- Pin 1 and 2 connected: Transmitter sends ON signal
- Pin 1 and 2 disconnected: Transmitter sends OFF signal
- Pin 4 and 5 is internally connected to pin 1 and 2 respectively
The pin connections can be done with an external potential free contactor or panic button
- Pin 3 and 6 is the ground terminal to glow indicators in panic alarm button box
- ON/OFF signals transmits for 10-20 seconds, (depending on the application). SYNC indicator blinks for every transmission packet
- For FBXTX701A transmitter, signal 1 and signal 2 pins are internally connected to each other.(since it is a signal channel transmitter). FBX702A transmitters have independent signal pins

Precautions and mounting locations:

- Mounted on the top of door / wall
- Easy mounting with 4 screws to secure it tightly
- IP65 enclosure unit, robust and weatherproof
- For indoor purpose use only
- Keep away from metallic enclosures

Wall mount calling unit:

Transmitter enclosure type: IP 65 (color grey)
Size: 250 x 90 x 45 mm
Weight: 350gms
Outside body: metal enclosure
Metallic enclosure unit: :300 x 300 x 170
Metallic enclosure weight: 3500 gms

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.

FORBIX SEMICON INDIA PVT. LTD.

Bangalore, India

Website: <https://www.forbixindia.com>

+91 9742370190 / +91 9742159846

FORBIX Osäuhing,

Tallinn, Estonia

Website: <https://www.forbix.eu>

+372 880 1510

Email: sales@forbixindia.com

Technical details:

- Transmitter with external PA +28dbm
- Operating frequency: 380 – 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) and other equivalents in sub-GHz freq.
- Modulation: GFSK
- Data packet error correction mechanism: FEC

Wiring (color coding)

- [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

Signal transmissions:

Any change in the input status of PIN [2] or [5] will cause the transmission

Application and features:

- Motor pump controllers
- Conveyor belts ON/OFF switch
- Panic alarm in buildings (in case of emergency)