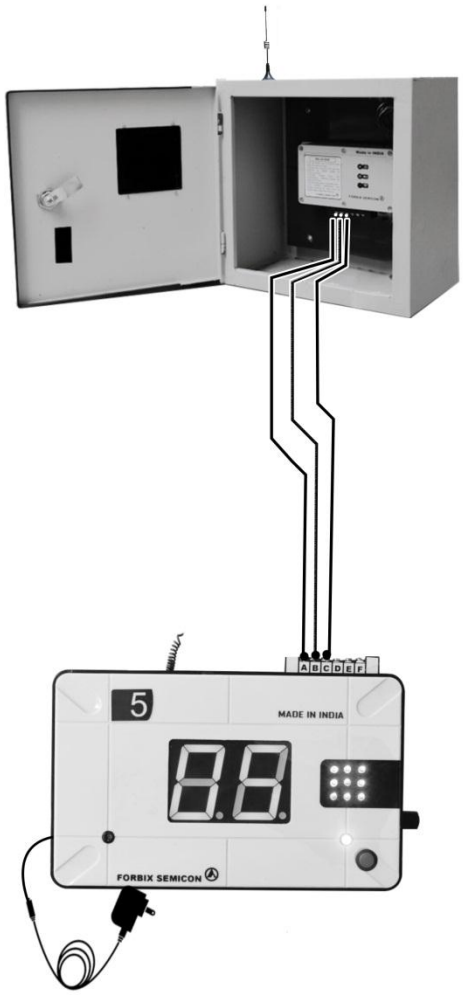
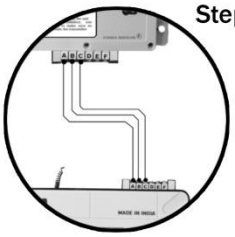
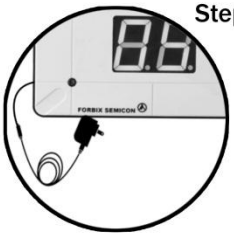
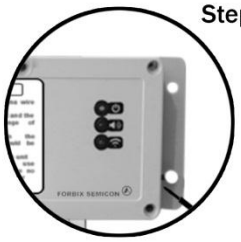




Make wire connection as shown



Connect adaptor power supply



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

Displays the transmitter number

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FBX7L02FM: Long range receiver 2-digit flash
Technical specification

FORBIX SEMICON™

FBX7L02FM, 2-digit display with flash light

2-digit receiver display console with flash light

Features:
- Displays the called number
- Volume control knob to modulate beeping sound
- Present number cancellation button
- Only 1 transmitter number visible
- Display self-check at power up
- Flashing light with 85 decibel beeping sound

Technical details:
(this particular display 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)

Users can also plug to any 12V external battery. Active working hours depends on the battery power

RF antenna:
PCB trace antenna / wire coil antenna / metal antenna (depends on environment necessity

Mounting provisions:
The receiver console display device needs to secured on the wall or any vertical surface using 2 screws. Alternatively, it can be placed on a table as well

Application and features:
- 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
- Office peon calling, school peon calling system

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)

Total number of call points configured:
- Maximum possible 1 remote transmitter can be attached to 1 receiver
- Custom design to support more than 1 remote is also possible

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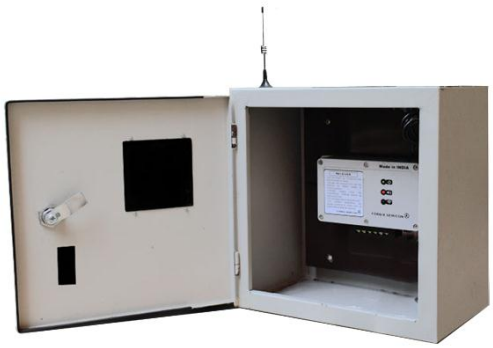

Precautions and mounting locations:
- Mounted on the top of door / wall
- Easy mounting with 4 screws to secure it tightly
- IP65 enclosure unit, robust and weatherproof
- For indoor/outdoor purposes
- Keep away from metallic surroundings

Wall mount calling unit:
Enclosure type: IP 65 (color grey)
Size: 190 x 90 x 55 mm
Weight: 350gms

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.

FBX7L02FM, RF reciver

Long range receiver with metallic enclosure

Features:
- 1-port long range wireless receiver unit (in metallic enclosure)
- 1 indicator RED light in the front (corresponding to 1 port relay)
- 1 indicator BLUE SYNC light to check signal reception
- 1no. of 5Amps potential free relay contactor terminals
- Transmitter ON signal triggers the relay ON (indicator turns ON)
- Transmitter OFF signal triggers the relay OFF (indicator turns OFF)
- Long range (1-meter) wire / rubber duck antenna (+3dbi)
- Compatible with high power transmitters FBX7xx series

Technical details:
- Receiver sensitivity: – 112 dbm
- Operating frequency: 380 – 480 MHz
- System works on signal hop mechanism. Reception happens at more than 12-15 predefined frequencies
- Modulation type: GFSK
- Radio IC: CC1100 (Chipcon/TI) and equivalents in sub-GHz freq.
- Modulation: GFSK
- Data packet error correction mechanism: FEC

Wiring (diagram coding)
[A]: Connector point should be connected to display [A]
[B]: Connector point should be connected to display [B]
[C]: Connector point should be connected to display [C]
[D]: Internally connected to [A]
[E]: Internally connected to [B]
[F]: Internally connected to [C]

Signal reception:
Pressing alarm button on transmitter shows respective transmitter number on the display.
Relapsing the panic button on transmitter, disengages the display number

Application and features:
- Panic alarm in buildings (in case of emergency)
- Alarm displays for security / gated community
- Motor pump controllers
- Conveyer belts ON/OFF switch

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