

## INTELLIGENT AUTO DIALLER/CALLER AND SMS SYSTEM FOR EMERGENCY INTIMATION AND PREDICTION

MODEL NO:-FL1221

PART NO:-1001221



### **FEATURES**

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- Microcontroller based GSM speech and SMS dialer.
- 2 Alarm inputs – Intrusion and Fire.
- 2 separate Speech / Voice messages (Intrusion and Fire).
- 9 mobile numbers for Intrusion alert and 9 for Fire alert.
- First 2 mobile numbers are the administrators having all permissions like register / modify site's name & address, register / modify Security & Fire alert numbers and Record & Playback of voice alert messages.
- Rests of the 7 mobile numbers do not have any permission. These numbers can receive voice & SMS alerts only.
- 20 seconds recording time for each voice message which can be extended as per need.
- Auto Dialer's status like Signal strength, Registered numbers and Site details can be obtained through SMS by Administrator's mobile numbers.
- 5 status LEDs - Power, Signal, Dialing, Record and Play.
- Dialing can be stopped through mobile acknowledgment.
- Can be connected to various Intrusion Alarm panels, Fire Alarm panels, DVRs, NVRs, Access Control systems and third party devices.
- Sturdy, epoxy powder coated housing
- Can be operated with 12V / 24V DC power supply
- Provision for Silent Testing through SMS.

## OPERATION OF DIALER

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1. Insert micro SIM into SIM Holder.
2. Switch ON the dialer.
3. All LEDs will start flashing simultaneously for 5 times and then Signal LED will start flashing indicating GSM signal strength. Single Blink = Bad strength, Quick Blink twice = Average Strength and Quick Blink thrice = Good Strength
4. When any programming instruction SMS is received by the Dialer, the SIGNAL LED goes OFF and restarts flashing after processing the SMS.
5. To RECORD voice message for Intrusion alert send SMS **RECSEC** and to record voice message for Fire alert send SMS **RECFIR**.
6. When record SMS is received by the Dialer, it will call to the mobile number from which SMS has been sent. Pick up the call and start recording desired voice message by speaking into mobile phone. The dialer will end the call after 20 sec of recording time is over.
7. To PLAYBACK recorded voice alert message, send SMS **PLYSEC** to listen Intrusion alert message and **PLYFIR** to listen Fire alert message.
8. When playback SMS is received by the dialer, it will call to the mobile number from which SMS has been sent. Pick up the call to listen to the recorded voice message. The dialer will end the call after 20 sec of playback time is over.
9. To test triggering of the Dialer without sounding alarm, send SMS **TSEC** for Intrusion alert and **TFIRE** for Fire alert. Dialer will send SMS and start dialing immediately.
10. Please refer to PROGRAMING section for SMS format
11. Connect the Dialer with Security Alarm system and/or Fire Alarm system as per the connection details given on the PCB.
12. When Dialer receives trigger from Intrusion alert, Fire alert or any other alert then, Dialer starts dialing after a delay of approximately 10 sec.

## PROGRAMING DIALER THROUGH SMS

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### 1) TO REGISTER SECURITY ALERT NUMBERS

Format :

#SN<XXXX>,+91<10 DIGIT MOBILE NUMBER>;+91<10 DIGIT MOBILE NUMBER>;+\*

For example to register 3 mobile numbers send -

#S32500,+919822XXXX39;+918390XXXX67;+919822XXXX49;+\*

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**REPLY FROM AUTODIALER -**

**SECURITY NUMBERS**

9822XXXX39

8390XXXX67

9822XXXX49

**2) TO REGISTER FIRE ALERT NUMBERS**

Format :

**#FN<XXXX>,+91<10 DIGIT MOBILE NUMBER>;+91<10 DIGIT MOBILE NUMBER>;+\***

For example to register 3 mobile numbers send -

**#S32500,+919822XXXX39;+918390XXXX67;+919822XXXX49;+\***

**REPLY FROM AUTODIALER -**

**FIRE NUMBERS**

9822XXXX39

8390XXXX67

9822XXXX49

**3) TO REGISTER SITE NAME AND ADDRESS**

Format :

**#BR<XXXX><BRANCH NAME AND ADDRESS>\***

For example :

**#BR2500SBI DEENDAYAL NAGAR NAGPUR\***

**REPLY FROM AUTODIALER**

GSM DIALER REGISTERED TO:

SBI DEENDAYAL NAGAR NAGPUR

Signal Strength:

BEST

**4) TO GET THE STATUS DETAILS OF THE DIALER LIKE REGISTERED NUMBERS FOR SECURITY ALERT AND FIRE ALERT, SITE DETAILS AND SIGNAL STRENGTH**

Format :

**#GT<XXXX>\***

For example -

**#GT2500\***

**REPLY FROM AUTODIALER –**

**DIALER SENDS 3 REPLY SMS AS BELOW**

GSM DIALER REGISTERED TO:

SBI DEENDAYAL NAGAR NAGPUR

Signal Strength:

BEST

**SECURITY NUMBERS**

9822XXXX39

8390XXXX67

9822XXXX49

**FIRE NUMBERS**

9822XXXX39

8390XXXX67

9822XXXX49

**NOTE : XXXX** Stands for Dialer's 4 digit **Unique Identification Number (UIN)** provided inside Auto Dialer.

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N Stands for total mobile numbers to be added.

**5) TO RECORD VOICE ALERT MESSAGE FOR INTRUSION ALERT**

Format :

**RECSEC**

**6) TO RECORD VOICE ALERT MESSAGE FOR FIRE ALERT**

Format :

**RECFIR**

**7) TO PLAYBACK VOICE MESSAGE FOR INTRUSION ALERT**

Format :

**PLYSEC**

**8) TO PLAYBACK VOICE MESSAGE FOR FIRE ALERT**

Format :

**PLYFIR**

**9) TO TEST TRIGGER OF THE DIALER WITHOUT SOUNDING INTRUSION ALARM**

Format :

**TSEC**

**10) TO TEST TRIGGER OF THE DIALER WITHOUT SOUNDING FIRE ALARM**

Format :

**TFIRE**

## **TECHNICAL SPECIFICATIONS**

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### **ELECTRICAL**

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1. Quiescent current : 20mA
2. Current with dialing : 50mA

#### **POWER SUPPLY**

1. Input supply voltage : 12V / 24V DC

#### **ENVIROMENTAL**

1. Operating temperature : 0° c to 55° c
2. Storage temperature : -20° c to 60° c

#### **PHYSICAL**

1. Dimensions : 160mm X 37mm X 117mm
2. Weight : 325 gm

**GSM Frequency** : Dual Band 900MHz/1800MHz.