



# ATOM

---

USER MANUAL

- Single Input Zone
- Built-In Gsm Communicator
- Stores 4 Users & 1 Admin Contact No.
- Sms and/or Calls To 5 Authorized Users
- Editable 15 Bit Sms Alert Message
- Zone - Open, Close Or Both Instant Alert
- 2 Ways Of Control : Sms, Android Apps
- Event Log Info At User Android Mobile Apps.
- Led Indicators For Network Signal & Status.
- Zone Arm/Disarm Through Sms/Android Apps.
- Compact Design.



1 Trigger



Mobile Call Alert



Arming / Disarming through SMS



Control through Android App



Store 5 Phone Numbers

## Optional



Magnetic sensor

## Application



Fire Panel



DVR

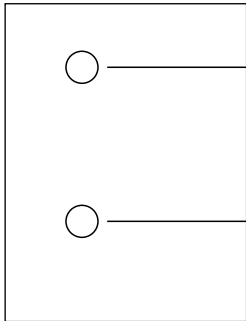


Intrusion Panel

## Introduction

Atom is a single trigger GSM communicator, which can send SMS and make dummy call when trigger is in open/close condition. This device can be controlled through SMS & Android application.

## LED INDICATORS



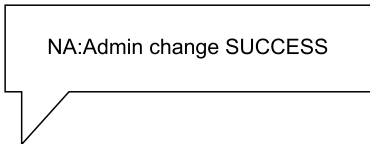
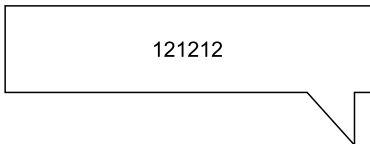
### LED1 – Network LED

- LED will blink slowly when network is good.
- LED will blink fast, when network is bad.

### LED2 – Status LED

- While system is sending & receiving SMS this LED will blink.
- Will glow in Green in Disarmed State.
- Will glow in Red in Armed state.

## REGISTER ADMIN



- Type 121212 and send SMS to Atom number.
- You would get a reply message "Admin change success" which confirms the process.
- Only Admin number can change/access settings of Atom.

## SET BALANCE COMMAND

BAL\*123#

- Type **BAL\*xxx#** and send to Atom from Admin number.(set balance command according to your network).

BL:MA

- You would get a reply message with balance details.

## ADD PHONE NUMBERS

PHO2 xxxxxxxxxxx

- Type **PHO2** <Phone number> and send to Atom from Admin number.
- You would get a reply message **P2:SUCCESS** which confirms the process
- Likewise Type **PHO3,PHO4,PHO5** and add other numbers.
- You can add **5** phone numbers including Admin.

P2: SUCCESS

## SET ALERT MESSAGE

MSG1 15-TEXT-MESSAGE

- Type **MSG1** <15-text message> and send to Atom from Admin number.

M1:SUCCESS

- You would get reply message **M1:SUCCESS** which confirms the process.

## SET ALERT CONDITION

### OPEN ALERT

ALT O

AO:SUCCESS

- For Open alert ,Type **ALT O** and send to Atom from Admin number
- You would get a reply message **AO:SUCCESS** which confirms the process.

### CLOSE ALERT

ALT C

AC:SUCCESS

- For Close alert ,Type **ALT C** and send to Atom from Admin number
- You would get a reply message **AC:SUCCESS** which confirms the process.

### BOTH OPEN&CLOSE ALERT

ALT S

AS:SUCCESS

- For Both Open &Close alert, Type **ALT S** and send to Atom from Admin number
- You would get a reply message **AS:SUCCESS** which confirms the process.

## SET ALERT TYPE

### BOTH CALL & SMS ALERT

CS YY

- For both Call & SMS alert, Type **CS YY** and send to Atom from Admin number.

CS:SUCCESS

- You would get a reply message **CS SUCCESS.**

### ONLY CALL ALERT

CS YN

- For only Call alert, Type **CS YN** and send to Atom from Admin number

CS:SUCCESS

- You would get a reply message **CS SUCCESS.**

### ONLY SMS ALERT

CS NY

- For only SMS alert, Type **CS NY** and send to Atom from Admin number

CS:SUCCESS

- You would get a reply message **CS SUCCESS.**

## ACTIVATING - ATOM

### Only Admin can Arm the system

ACT

- To Activate, type **ACT** and send to Atom from Admin number.

AM:MODE-ACT

- You would get a reply message **AM:MODE-ACT** which confirms Activation.

## DEACTIVATING - ATOM

### Only Admin can Disarm the system

DA

- To Deactivate, Type **DA** and send to Atom from Admin number.

DM:MODE-DA

- You would get a reply message **DM:MODE-DA** which confirms Deactivation.

## TO CHECK STATUS

STS

- To check Atom status, Type **STS** and send to Atom from Admin number.

ST:  
Z1-  
TRGR-  
SMS-  
CALL-  
MODE-

- You would get a reply message with status of Atom.

## TO CHECK BALANCE

BAL

- To check Balance, Type **BAL** and send to Atom from Admin number.

BL:M/A Bal :Rs 00.09:  
M/A Val :01 Jan 2020

- You would get a reply message with balance details.

## TO CHECK PHONE NUMBERS STORED

PHO

- To check Phone numbers stored, Type **PHO** and send to Atom from Admin number.

PR:  
P1-XXXXXXXXXX  
P2-XXXXXXXXXX  
P3-XXXXXXXXXX  
P4-XXXXXXXXXX  
P5-XXXXXXXXXX

- You would get a reply message with Phone numbers stored in Atom.



## TO CHECK ALERT MESSAGE STORED

MSG

- To check alert message stored, Type **MSG** and send to Atom from Admin number.

MR:  
M1- 15-TEXT-MESSAGE

- You would get a reply message with alert message stored in Atom.

## How to Change Admin Number???

PHO1 xxxxxxxxxxxx

- To Change Admin Number , Type **PHO1** <New number> and send to Atom from present Admin number.

P1:SUCCESS

- You would get a reply message as **P1:SUCCESS** which confirms Admin change.

## How to Reset Atom ??

RST

- To Reset Atom,Type **RST** and send to Atom from Admin number.

RT:Master Reset SUCCESSS

- You would get a reply message **RT:Master Reset SUCCESSS**,which confirms the process.
- Once **RESET** all stored numbers and settings will be deleted , Admin number will remain same.

## SMS COMMANDS USED IN ATOM

BAL	BALANCE
PHO2 XXXX	ADD PHONE NUMBERS
MSG1 <15 TEXT MESSAGE>	ALERT MESSAGE
ALT 0/C/S	ALERT CONDITION
ACT	ACTIVATION
DA	DEACTIVATION
PHO	TO CHECK PHONE NUMBERS STORED
MSG	TO CHECK ALERT MESSAGE STORED
STS	TO CHECK STATUS
CS YY	ALERT TYPE

**Notes :**

- You would get all sms commands as a message when you send any wrong commands to Atom.
- If operations are not successful you would get FAILED message as reply.

## POWER SUPPLY

Max Power Consumption	:	24 watts
Supply Voltage	:	9-12 V
Total current Rating	:	2 amp (max)

## ZONES

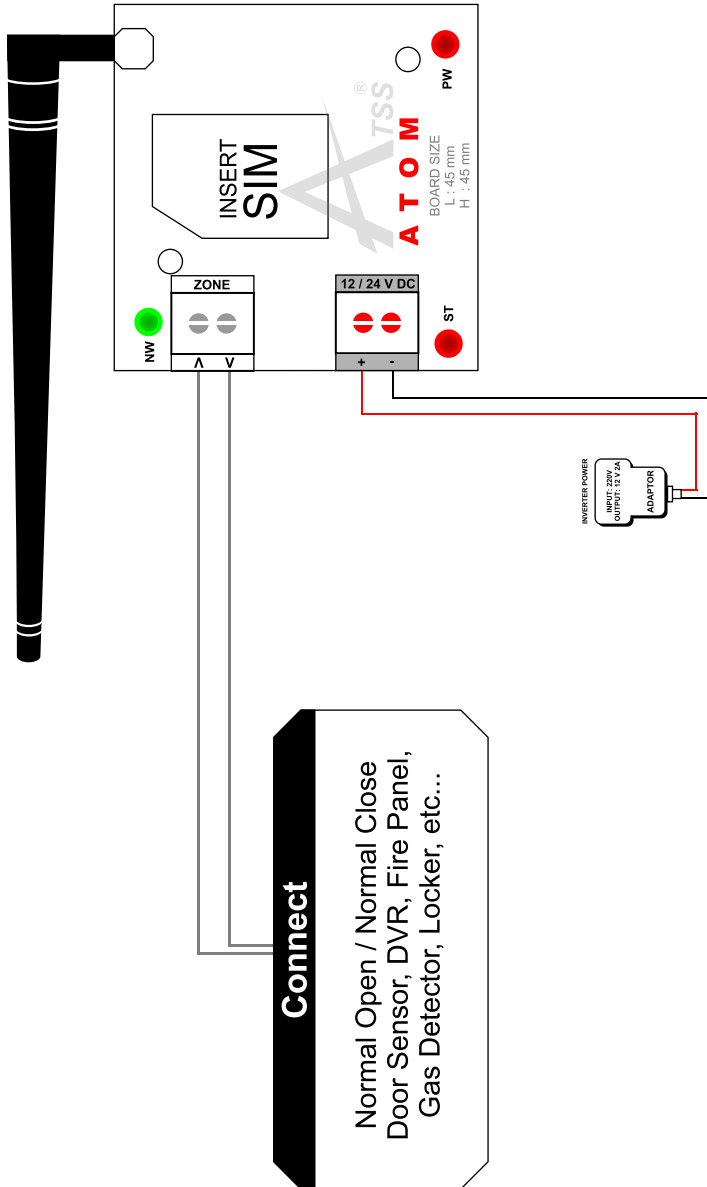
Zone Response Time	:	< 500 Millisecond
Zone Loop Resistance	:	< 5 kilo Ohm For Normally Closed
Max Length of Sensor Cable (multi core cable)	:	150 m (Depends on cable resistance)
GSM Antenna	:	3 db

## ENVIRONMENTAL

Environment	:	Residential/ Commercial/ Light Industrial
Max Humidity	:	95% Non-Condensing
Operating Temperature	:	0°C To 45°C
Storage Temperature	:	-20°C ~ + 60°C

## PHYSICAL

Colour	:	RED, BLACK
Control Panel Dimensions(mm)	:	(H X W X L)= 85 X 20 X 70
Weight	:	60 g



# ATOM WARRANTY



Customer Name :

Invoice No :

Date :

Serial No :

Signature

---

## How To Obtain Warranty Service?

You must present your Warranty Card and a copy of your original sales receipt to validate warranty coverage. DO NOT lose your receipt.

Dealer Seal



No.40, Muthumariamman Koil St,  
Navalar Nagar, Anna Nagar West,  
Chennai - 600 040. India.

