

INSTRUCTION'S MANUAL

ANNUNCIATOR ALARM SYSTEM MODEL : ANNUNCIATOR



NATIONAL
Security Devices

NATIONAL SECURITY DEVICES
ERTL APPROVED AS PER IS:2189-1999
Manufacturer of fire alarm panel & Accessories

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INTRODUCTION

We are welcome you in our family of NATIONAL SECURITY DEVICES, is well known name in field of Fire Alarm system. We came to the picture in the last decade and with in a short span. We succeed to achieve a very good response & report in the industries. We are very professional using advanced equipment and technology, computerized R & D, in House tools Room/Assambly plant and of course our killed workmanship with the strict quality control.

It is our proud feeling that valuable customer are giving us time to time good opportunity to serve him. We are glad continuous on the various stage of up gradation. process of our product. For that our customer gets 100% satisfaction, which have they are Habitual. Some of our parsonages are CPWD, PWD, Bank, Railway Ansal, Hotels, Unitech, DDA, NBCC. And many more Govt and pvt. Security consultant. We have strong commitment to our client to provide best quality prices, superior customer care & perorated delivery.

A part from our existing product range, So We have necessary infrastructure that provide all type of security product and their accessories as per as requirement and specification of the customer.

SYSTEM FEATURE

Your ANNUNCIATOR Alarm panel comes with its internally power unit, zone card control unit with the space of 2no. 7AH battery, desired different zones line with the visual Hooter lines and a common Hooter point which gives continuous output voltage. Also has provision of extra relay contact.

Feature of the system are describe as follows:-

- (1) Micro controller based & fault monitoring system.
- (2) Zones wise/common Hooter facility.
- (3) Zones wise 1 sets of common potential free Relay contact in fire & fault condition.
- (4) Control key techtile type switch
- (5) In built battery charger & AC to DC charge over & vice versa.
- (6) PA address facility option as per require.
- (7) Visual indication of common Fire, common Fault mains, charging, low battery etc.
- (8) In built auto charging.
- (9) Audio visual indication for fire/fault(zone wise).
- (10) Common silence switch for accept of(Fire/Fault zone /power) and respective common relay.
- (11) In silence condition sounder again restart in the event of Fire or Fault in other zone for silence again, press silence switch.

(13) System is fully detachable part by such as power unit, motherBoard, front display board etc. Thus servicing is so simple cost effective and time saving also. This process dose not need very experienced person, thus you easily change.

Few tips for good maintenance of your system

please take few precaution time for ensuring your system in Healthy condition :-

Daily Attention : The panel should be normal, if not is required urgent attention.

weekly Attention : (1) One time in weekly minimum a detector/Trigger Device(MCB) etc operated to test the ability of the control panel, sounder Alarm and operation of other devices.

(2) A visual examine of the battery & water condition. Battery should be in good condition.

Yearly Attention : (1) Trigger Device/Detector should be check the Alarm function of control system. The operation of Alarm sounder should be test when practicable.

Visual inspection should be made to confirm that all cable /wire fitting and equipments are secure undamaged & adequate protected.

Although NATIONAL SECURITY DEVICES full till all the criteria of a Fire Alarm system, but it recommended that this system is not perfect life & property saving devices, thus up grading of product is always an ahead policy of us. This is our unchallenged right in all circumstances.

This operating Manual Guide to understand you about the system and be followed the instruction.

INSTALLATION

Before the installation of any device this is you must to chosen the right place. In the case for Fire Alarm system it is necessary to see the following points.

(1) Do't install system in High radioactivity magnetic field and moisture area.

(2) Where the heavy Electrical cables junction and shock Hazard area.

(3) In restricted area enclosed area.

For the installation of a panel following the prescribed steps :-

Level the panel correctly, making sure the back box assemble is held accurately against the wall, and mark the position of the four fixing holes.

(a) Open front door.

(b) Drill and plug the wall.

(c) Prepare the apertures required for cable access.

(d) Screw the panel back box to the wall using Four fixing holes with screw of appropriate size.

SYSTEM COMMISSIONING

Before connection field wire it is must to check them by a low voltage millimeters. It is must be satisfied Hooter or other control circuits are giving right symptom. If found do ought please check them again.

Before the system commissioning all the detection zone line circuit must be check the resistance between each line & negative must be check and certified to be 2.2K ohm + - 10%.

After the line have been found satisfactory with then the detection & sounder circuit is connected as per wiring diagram.

Now connected battery with supply first, power fault & system on lamps are glow LED display its massage for first few minutes.

Now connection of mains supply 230Volt. Mains lamps & system on glow system will silent.

TEST PROCEDURE

1) Turn on power control switch, all power lamps glow including LED message. Press lamp test, all lamps glow with the sounder. If lamps not glow under check power supply & battery power. Also you can check power switch position.

2) To test silence/reset, trigger the flow sensor become alarm condition. Respective zone & monitor fire lamp remain flash. By reset, sensor become normal condition LED message also become normal condition.

3) To test silence simulate open short of detection line fault alarm glow. Monitor fault lamp glow & common fault relay energize with warning tone. LED respective event for the same. It still same till the removing of fault Push silence, the system will be silence, Monitor fault lamps & fault relay.

CONTROL

EVACUATE :- If the operator/concerning officer understand the fire is very in Handing position, then he can evacuate the area by pressing this button.

LAMP TEST :- To check the LED in the healthy position this switch, All LED will be glow with the buzzer sounder.

SILENCE :- Whenever any signal comes from sensing or switch devices, the internal buzzer beeping with the information display ON led with respective fault & zone. To mute that audio alarm press silence button or in case of fire the Hooter sounder can be mute by pressing this button.

RESET :- This switch has specially provided for starting the systems after any event or function.

TECHNICAL DATA

- 1) OPERATING VOLTAGE : 24 DC+ 10%
- 2) MAINS SUPPLY : 230V AC 190V AC
- 3) STAND BY SUPPLY : 24V/250Ma
- 4) AUXILIARY OUTPUT : 12V/250Ma
- 5) AUXILIARY OUTPUT : 24V/1Amp
- 6) VOLTAGE CHARGER : 26.6V
- 7) STAND BY CURRENT : 15.6Ma/ZONE
- 8) ALARM CURRENT : 35Ma ZONE
- 9) AC FUSE RATING : 500Ma
- 10) DC FUSE RATING : 1.5Amp
- 11) BATTERY FUSE RATING : 3Amp
- 12) DIMENSIONS : (12X12X4)Inch
- 13) WEIGHT : 6 KG/Dependes on NO.of zone

SERVICING / FAULTING

SYMPTOM

SOLUTION

- | | |
|---|--|
| 1) Only mains lamp glow | Check DC/Bat Fuse |
| 2) Only Power fault lamp glow | Check all Fuse |
| 3) Battery backup fail | Replace Battery |
| 4) Control switches are not functioning | Check cable Belt from Back board to front board. |
| 5) Display(LED are not glowing | Check cable Belt from Back board to front board. |
| 6) None stop fault | Check the sautes of same fault |

If problems resist remain please call our engineer or E-mail us.

Visual Test : Test parameter and observation sheets/sheet are attached

S. No.	Test Feature	Feature Standard	Observation
1	Aesthetical	Checked Generally	Found Satisfactory
2	Cabinet/Dimension	Material: CRCA Sheet, Size	Found Satisfactory
3	Painting	Standard P. O. Red both External & Internal	Found Satisfactory
4	Cable Entry	Entry: Top	Found Satisfactory
5	Annunciation	Checked as per approved Schematic	Found Satisfactory
6	Components	Checked Generally	Found Satisfactory

Functional Test

Test for operation & Logic as per approved drawing and all the required operations were carried out.

Found satisfactory

High Voltage

Test at 2KV for 60sec. between phase and neutral, between phase & earth neutral and earth(By disconnecting Electronics circuit) for operation as per approved drawing and all the required operations were carried out.

Found satisfactory

WIRING DIAGRAM

TERMINATION CONNECTOR PCB MOUNTED

Hooter
Hooter
Hooter
Hooter
Hooter
Hooter
A 1 +
A 1 -
A 2 +
A 2 -
A 3 +
A 3 -
A 4 +
A 4 -
A 5 +
A 5 -
A 6 +
A 6 -
A 7 +
A 7 -
A 8 +
A 8 -
A 9 +
A 9 -
A 10 +
A 10 -
A 11 +
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A 15 +
A 15 -

POT. FREE		
NC	C	NO

PHASE
NEUTRAL
EARTH

A.C. INPUT



TEST REPORT

.....ZONE ESCORT/DIGITAL/ANUNCIATOR/ MAIN FIRE
CONTROL PANEL/LOCAL PANEL/REPEATER PANEL WITH
WORKING ZONE
SPARE ZONES.....

CONTRACTOR NAME:
CLIENT / SITE:\
BILL NO/ CHALLAN NO:
SERIAL NO:

This is to certify that the fire alarm control panel supplied as per detail has been manufactured by NATIONAL SECURITY DEVICES at delhi-92, and have been tested as per the provisional laid down in is :2189-1999 manufactures as per the condition in Electronics regional test laboratory (N)

Test Report No . ERTL (N)/90 (4)-2K 7/Q0094

It is future certified that all the featured laid down in the panel as per customer specification have been provided and checked.

Date of testing

Date of Issued : QUALITY CONTROL MANAGER

Client Copy

WARRANTY CERTIFICATE

Dear customer,

Our NATIONAL SECURITY DEVICES products/
system/device is guaranteed against manufacturing defects of parts and
components for a period of 12 months from the date of purchase
During this period any items found defective will be repaired at
our works or through service center.

Terms & condition :

1) serial No. sticker should not be Broken/Tempered/
Mismatch.

2) serial No. Sticker should not be Tempered/loss or
mismatch our company record.

Serial No :

Stamp :

NATIONAL SECURITY DEVICES

DEALER'S NAME & ADDRESS



MODEL NO : ANNUNCIATOR PANEL

SRL.NO :

SALE DATE :



NATIONAL

Security Devices

H.O. : 485/13 & sarpanch ka Bara,Mandawali,
Fazalpur,Delhi-11 00 92.

Works : 2A Patparganj, Mayur vihar -1,
Near Pandev Nager Police Station,Delhi- 11 00 91.

Fax : +91 11 2275 1020.

Phone : +91 11 2275 1020,6460 3599.

E-Mail : natioaldevices@gmail.com,
mailanilrawat@gmail.com

Website : WWW.AGNIALARMS.COM