



Intelligent

ADDRESSABLE FIRE ALARM & PAVA SYSTEM

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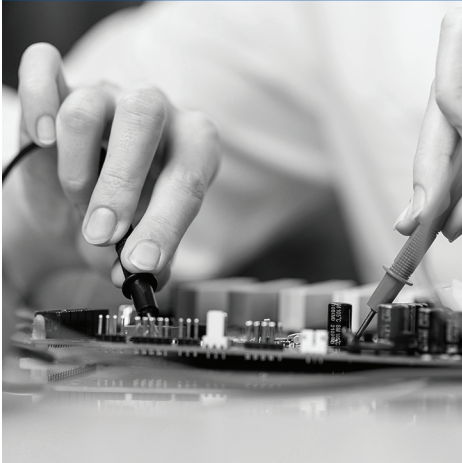
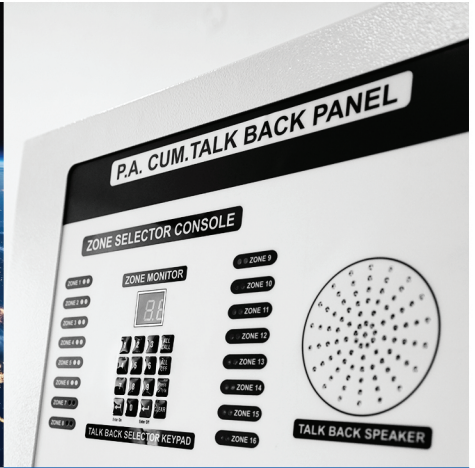
ERTL
As per IS : 2189



Solutions



"Feel the utmost protection to the wealth"



Wide range of
Fire Alarm &
PAVA Systems

ASES has its corporate head office in Delhi NCR and branch offices in major cities. We have a distinctive niche in manufacturing a wide range of Fire Alarm Systems (Conventional/Addressable), PA/VA Systems, Two-Way Fire Fighting Jack Systems, Fire Rated Doors, Electrical Control Panels, Fire Suppression Systems, and Emergency Exit Lights. ASES's manufacturing is continually striving for excellence, and we do have two large units in production. We aim at manufacturing our products that not only look good but also give customers a sense of intrinsic worth when they use them. We are continually working to develop future products that will mitigate economic downturns with technical highs.

The future of our manufacturing is for ASES to play an indispensable role in an Indian supply chain. This would be achieved by using the strengths of three combined effects: addressing market needs, innovative technology, and superior quality. As a result, we will continue to supply trustworthy quality to the market by fully utilizing our core forging technology.

The ultimate measure of our success will come from end users who "feel the utmost protection to the wealth" after using our solution. We shall use valued manufacturing to build an endless future. The company's main competencies include executive-level staff, sales, R&D, production, quality, technical support, and related departments. All of these areas focus on providing comprehensive customer satisfaction across the board. Meeting the diverse needs of our esteemed clients is made simpler by our comprehensive and cohesive network of engineers, management specialists, and other skilled professionals.

As a noteworthy development, ASES now has head offices in Bangalore, Delhi, Kolkata, Mumbai, and Ghaziabad (U.P.). Our PA/VA and fire alarm systems are tested in accordance with IS : 2189 by the Government of India's Electronics Regional Test Laboratory, which is accredited by NABL.

**COMPANY
PROFILE**

INTELLIGENT ADDRESSABLE FIRE ALARM CONTROL PANEL

5&10
LOOP



ASES Intelligent Addressable fire alarm control panels are specially designed & developed on ASES FIRENET protocol. It is a range of compact & feature rich, and AI based panels that are designed keeping in mind the needs of customers. Panel is designed to keep its functions & programming simple & user friendly.

Panels are fully expandable upto 1-10 loops and supplied with a 7" Resistive touchscreen. Each loop is capable of supporting 250 Nos. of detectors/devices any combination basic model comes without loop cable can cannot 10 nos. of single cards. The control panel can be programmed locally through a 7" touch screen. No external DONGLE or special cable required for panel programming. For authentication multilevel password is provided. These passwords can be changed as per user requirements.

The robust panel is backed by a powerful SMPS Power supply with Power Distribution Card all kinds of protections: high voltage, short circuit, reverse battery, low battery, earth fault, voltage fluctuation. Power supply is designed with inbuilt battery charger that can charge battery upto 2x12V 17Ah battery.

For complex/Bigger applications, it can be installed in a NTWKP2P-V1.0.0 network through CANbus Networking (up to 64 control panels) where zones and areas controlled by detection devices can be

managed via sophisticated programmable logics to trigger events on the central unit. (Data Log in Capacity 11000 events).

Installing additional boards, it is also possible to add peripheral devices to the main panel like keyboards, printers, and LED panels.

Connected detectors and devices are monitored and diagnosed via the control panel. All the test procedures can be performed via ASES AS-801-FAP to assess the status of each component simplifying and speeding up the periodic maintenance process. Nonetheless, diagnostic data and historical data recorded can be easily exported in Excel format. (Data login capacity 11000 events).

A simple and ergonomic touch human machine interface allows any type of user an intuitive interaction without time or training costs. All configuration steps are immediate and the self-programming and self-addressing mechanisms allow to recognize, interrogate and program devices in the field quickly, systematically and without errors. The control panel can be customized for all installation conditions: mechanics color, display background, color of the programmable LEDs, logo displayed on the welcome screen and language can be chosen as desired.

USPs











ASES Proprietary Protocol Support first indigenously developed panel for ASES Easy Configuration using PC utility Inbuilt RS-485 port is provided for Repeater Panel.

Up to 8 panels can be networked on RS485 Proprietary.

Easy to download event big history to laptop in excel format. Panel can be devices addressing through touch screen/ laptop with ASES software file.

CUSTOMER BENEFIT








- Reduce training time for Installer and End User
- Leverage from Smart Edge and Advanced Detection technology benefit
- Scalable platform, natively ready for future expansion
- No Special tools or specialized engineer needed for commissioning
- Fast commissioning of the full network from one panel
- Complex Emergency Plan Execution

Panel capacity  up to 10 Loops Expandable	Loop capacity  250 Detectors or Devices	Display  7" Tft Touchscreen	Data Login  11000 Events	Technical Support  Fast 24*7 Tech Support
Loop Length  up to 2.0 kilometer	Panel Networking  up to 64 Panels	Repeater type  Active Repeater	Monitoring & Control  Cloud Based	Down Time  Less down time than other brands

FEATURES

Microprocessor based Intelligent Addressable Fire Alarm System.	Led Indication- Main ON, Standby ON, System ON, Battery Fault, Fire Fault, Device Bypass Fault, Silence Evacuate, Test Mode & Ack. of event	SMS, GPRS, Ethernet, Wi-Fi, Cloud Reporting (Optional)	Short Circuit Protection. (If the loop gets a short circuit situation, then loop power will be cut-off until you get to resolve it)
ASES-801 Series Devices (ASES Proprietary Protocol) support.	Expandable upto 5 Loop/10 Loop maximum.	Device addressing from panel through Laptop/Keypad	RS 485 Port available for repeater
Create 20 zone per panel.	Compatible with 1250 /2400 devices per panel	Self-Diagnosis Loop Device	Network Card-NTWK_P2P_V11.0.0
Operated by Touch Screen (No Keypad Required).	Support for multilevel passwords	Auto Scan Loop Device	Printer Module-AS-800-PTR
Easy commissioning only used by Touch Screen/Laptop	Store 11000 events work on FIFO	250 Compatible devices per loop.(Any combination)	MODBUS Card-AS-800-MODIP
Common Fire & Fault Relay		Mock Drill Facility	Support multiple users

TECHNICAL DATA

Power Supply 200-240 Vac 50/60Hz 	Housing Color Black/Red/White 	Used Battery 2x12V 15ah 
Dimension 5 Loop/10 Loop (510*410*120/90 0*450*160)mm 	Battery Charger 7Ah-50Ah (use separate cabinet batteries over 15 Ah) 	Weight Without Battery(Kg) 5 Loop (10 KG) / 10 Loop (21 KG) 
		Display 1024x786mm, 7" inches (Touch Screen) 

Intelligent ADDRESSABLE DEVICES



Heat Detector

- Addressable programmable detector
- Addressing at site from ASES Programmer Unit
- Twin LED allows 360-degree viewing
- Normal Mode green LED blinking & Fire Mode Red Continuous ON



Smoke Detector

- Address programmable through ASES- RPTU
- Dual LED design provides 360° viewing
- Remote indicator output available
- Alarm flag for fast alarm reporting
- Responds well to slow burning, smouldering fires



Multi Detector

- Addressable programmable multi detector
- Addressing at site from ASES Programmer Unit.
- Twin LED allows 360-degree viewing
- Normal Mode green LED blinking & Fire Mode Red Continuous ON.



Manual Call Point

- At normal, Green-LED blinking duration of 14 sec
- Steady glow of Red LED indicates the alarm condition
- Addressable Programmable Manual Call Point.



Mini Sounder

- Operates on 12/24Vdc -90-95db +/- 0.5db @ 1mtr
- Multi Tone Type
- We can use as loop sounder also



Sound with Strobe

- Operates on 24VDC
- 100db +/- 0.5db @ 1mtr
- Multi Tone Type
- We can use as loop sounder also



Control Module

- Multiple contacts module is available (optional)
- Use to control to any Conventional Devices.
- Available Loop Sounder Output
- Electronic address can be modified in the field.



Monitor Module

- LED - Green Blink in Healthy Condition /
- Steady RED in Alarm Condition
- Used to monitor any Conventional Device
- Electronically addressed through DIP Switches.
- Monitors switch contacts of remote equipment



Zone Monitor Module

- LED - Green Blink in Healthy Condition/ RED in Alarm Condition
- Used to monitor any Conventional Device
- Capable to monitor conventional zone event like Fire, Short, Open
- Integrated with 4 LED indication for System ON, Open, Short & Fire



Fault Isolator

- Used to isolate the rest part of loop where fault done
- Addressing in site from ASES Programmer Unit



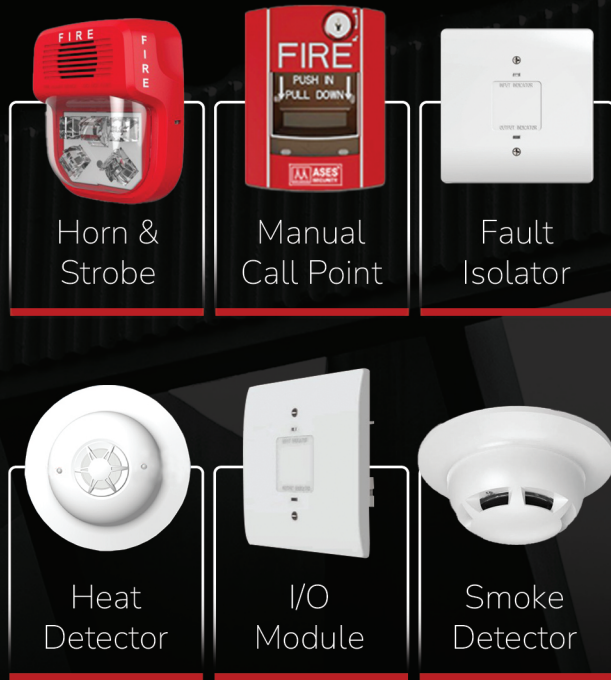
Beam Detector

- Hassle free alignment, built with digital guide display and laser beam pointing
- Employ single-ended design through reflective mirror
- Four ranges wide monitoring from 8-100 metres via encoder
- Three users programming sensitivity adjustment

Intelligent ADDRESSABLE FIRE ALARM SYSTEM



UL Listed Addressable
Fire Alarm Control Panel



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Build or filter your results by keyword and/or adding criteria like document type, file number and country name.

5 Results :: Keyword: Ases Security :: Company Name: Ases Security Pvt Ltd

Action | Display: General

Document Name	Company Name	Notes	UL CCN Description
GWZQ.R40914	Ases Security Pvt Ltd		Door Hinges
UNIU.S36883	Ases Security Pvt Ltd		Boxes, Noncoded
UOJZ.S36844	Ases Security Pvt Ltd		Control Units, System
UQGS2.S36674	Ases Security Pvt Ltd		Heat-automatic Fire Detectors - Component
UROX.S36882	Ases Security Pvt Ltd		Smoke Detectors for Fire Alarm Systems

PA CONSOLE CUM TALKBACK SYSTEM

MODEL
AS-416-PA/TB (1-99)

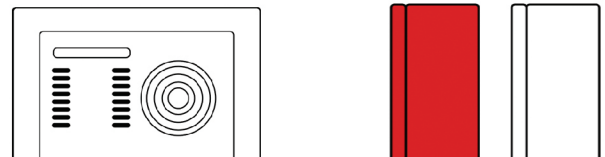


Technical Data Sheet

I/P Supply	230Vac/50Hz
Standby Supply	24 Vdc
Current Consumption	Customized
End of Line	NA
Detection O/P	NA
Talk Back O/P	24Vdc/100Vac
Speaker O/P	70-100Vac
Talk Back O/P Wattage	5 WATT

Mechanical Specification

Housing	MS Sheet
Colour	Red / White
Dimension	Customized

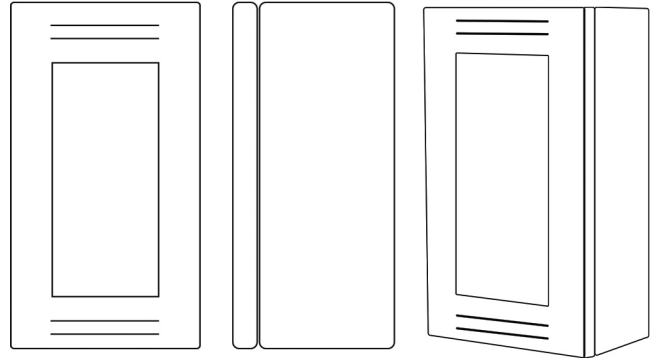


Modular design, plug in type solid state | Tested by ERTL as per IS: 2189 | Expandable up to 2 to 99 zones | Gooseneck mic attached for call to sub stations | Zone wise Talkback selection digital selector switch, all call facility & Press and talk facility for TB Unit | Zone wise Speaker selection digital selector switch, all call facility for Speaker unit | Music player attachable facility optional | Inbuilt battery charger and battery space | Customized master control station for Talkback system | Used for 2-way communication | Amplifier wattage can be customized depending upon requirements | Display unit 7-segment | 2-99 zone expandable system | Simple to connect speaker cum talkback slave unit | Simple to connect speaker unit | Amplifier and Mic will be of Any make. (Required Mixer Amplifire) | Max line length is 300 m with 1.5mm cable

TALKBACK JACK & HAND SET







Technical Data Sheet

Supply	30-40 VDC
Power consumption	8 Watt
Housing	MS sheet
Dimension	6" X 10.5" X 4"
Weight	2 Kg
Colour	Red



The fireman's telephone handset is a portable unit that communicates with the central station. Insertion of handset inside the jack sends signal at control station. The handset provides hands-free functionality. The handset is housed in a metal box that is locked with a key. Communication is available between master and unit as well as unit to unit. Unit-to-unit communication is possible via the handset's keypad.



-  Pick and talk handset for simple use
-  Simple key pad for dialling desire extension
-  6" long stretchable cable
-  Locking facility to prevent unauthorized use
-  Transparent front for long distance visibility
-  Flash/concealed/wall mounted

**FIRE FIGHTER'S
TELEPHONE JACK**



PAVA CONTROLLER

MODEL AS-316-PAC-(1-16)



Description

AS-301-PAC is a PA system controller that controls input signals and activate speakers line accordingly. AS-301-PAC can be connected unit ASES 800 series of Analog Addressable panels. Controller have multiple audio input options like AS-301PG (Paging station), USB port, microphone music source. AS-301-PAC have two options -one with 8 Zone speakers lines & 16 zone speakers lines. Multiple mixer amplifier can be connected with signal controller.

Technical Data Sheet

Switching Signal Level	100V (nominal)
Inputs (Nominal)	1 x Mic (1mV/4.7k) Speech Amp (100V)
Display	Zone Selection LEDs, Power ON/OFF. switch
Power Supply	AC 220-240V, 50/60Hz
Stand by Power Supply	24V dc
Current Consumption	200 to 300mA@24Vdc
Dimensions	520 x 110 x 250 mm (WxHxD)
Weight	4.5kg (Approx)
Finish	Matte Finishing

ASES make paging station can be connected | AS-301-PAC can be connected with any fire alarm control panel-Conventional or Addressable through Potential PA module | Rack mounted | USB port available to connected USB drive | Pre recorded message can be loaded through USB Drive (Pre recorded message played in case of fire) | Zone wise LED indication available | 8-64 Zone Switcher / Paging Control Unit for use with AS-301 -PG | AS-301-PAC is a rack mounting switcher / control unit which works with AS-301-PG and upto 1 amplifiers to form a 8 zone zonal paging system | Provision for one 100V input signals, for speech in 8 zone PA/VA System | We can connect any make mixer amplifier up to maximum 500W for 8 zone PAVA controller | Provision to make announcements from the control unit. In case of 8-64 zone system using 1 nos. AS-301-PA control unit, announcements should be made only from the master control unit | Provision for emergency trigger input and alarm input with highest priority | Standard 19" rack mounting chassis.

Terminal Details

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32										
Zone-1		Zone-2		Zone-3		Zone-4		Zone-5		Zone-6		Zone-7		Zone-8		FIRE TRIGGER INPUT		NA		NA		Batt 24V+		Batt 24V-		NA		NA		100V+ Out		100V- Out		NA		NA		100V+ IN		100V- IN	
+100V Out		-100V Out		+100V Out		-100V Out		+100V Out		-100V Out		+100V Out		-100V Out		+100V Out		-100V Out		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

USB Port

Fire Jack

Voice Jack

Talk back Jack (Optional)

9 Pin Connector for Paging System

9 Pin Connector for next PA Controller

Danger
230V
AC

Fuse box

PAGING STATION

MODEL AS-301-PG



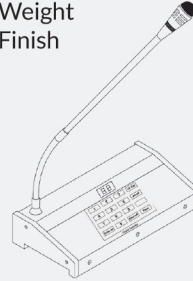
Function

AS-301-PG is used to remote paging over the AS-301-PAC, supports max 64 Zones. Paging station can be connected with both 8/16 zone control unit.

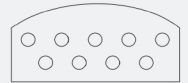
Technical Specification

Switch Digital
Power Supply
Dimensions
Weight
Finish

Digital Selectors keypad
24Vdc (from AS-301-PA/VA)
150x530x45mm (WxHxD)
1.5kg (Approx)
Matte finishing



For Amplifier MIC Port



For PAVA Controller

Easy installation & user friendly operation | A high performance 8/16 zone paging console, housed in an elegant metal housing. It works with AS-301-PAC to make a 8-16 zone paging system | Fitted with a 16"(40 cm) gooseneck microphone | Digital Selector keypad, plus ALL CALL switch | Separate Mic ON/OFF switch | 7-segment indication of zone selection | Securespin and 2 Nos lockable connectors | Operates on 24V DC supply from AS-301-PA/VA | Table Top

P.A. HIGH POWER MIXER AMPLIFIER

MODEL ASA-350W



Technical Specification

Power Requirements	AC 220-240 V 50/60 Hz DC 36 V (3 X 12 V CAR BATTERY)
Power Output	350 W (Max.)
Input Channels	5 Mikes 2 Aux. 1 USB Port 1 SD / MMC Card Reader
Frequency Response	50-15000 Hz ± 3dB
Tone Control	Low : ±10dB at 100Hz, Hi : ±10dB at 10KHz,
Pre-amp. Output	200mV / 600 Ohms
Line Output	1V/1K Ohms
Signal To Noise Ratio	60dB
Output Taps For Speaker Matching	2-4-8 Ohms 70V-100V Line
Weight (approx.)	24.000 Kg.

In-built Bluetooth facility | Active bass and treble control | LED Array for output level | Multiple inputs for 5 Mikes / 2 Aux source | Equipped with 8 Pcs. Toshiba 5200 Transistors | Instant transfer to DC power if AC power fails | 19" Rack Mountable Sturdy Chassis in 3U Height | Preamplifier And Line Out for connecting to a booster amplifier and for recording the programme | External speaker connections are provided for 4 & 8 Ohms and 70V, 100V line | Provided with fans to keep the amplifier cool enabling trouble free operations under extreme climate conditions | Line Input for connecting the output from any external mixer

TALKBACK MASTER CONTROL PANEL

MODEL:
TBM 8/16/32Z-DPX



Fire man telephone system or Duplex type talk-back master control panel is a reliable & user friendly way of communication between local unit & control station. This communication with master station is done through telephone jack & handset. Jack senses the insertion of fireman telephone handset into jack & immediately send signal to the master station control panel. Control Panel in turn will indicate the location of jack through an audio visual indications. Once the connection is done, a clear full duplex audio conversation take place. Removing handset from jack will end the call.

Technical Specification

Power Supply	230Vac, 50Hz
Stand By Power Supply	12Vdc (Optional)
Power consumption	30 Watt
Housing	MS sheet
Colour	Red / White marble
Dimension	
-Model No.TBM-8Z-DPX	360x495x155(mm)
-Model No.TBM-16/32Z-DPX	495x495x195(mm)
Weight	
-Model No.TBM-8Z-DPX	11.5Kg(approx)
-Model No.TBM-16/32Z-DPX	14.5Kg(approx)

Customized master control station for Talkback system | Used for 2-way full duplex communication | 8 to 32 zone expandable system | Simple to connect fire fighter jack and hand set | Pick and talk facility | Front LED or LCD display for jack location display | 16 swg CRCA sheet Housing | Inbuilt battery charger (Optional) | Cleared front glass for more visibility

WALL MOUNT SPEAKER

MODEL
AS-301-WS

Product Overview

High quality ABS wall mounting box speaker for indoors speech & background music. For Schools, Offices, BPOs, Hospitals, Banks, Restaurants, Showrooms and Hotels.



Technical Data Sheet

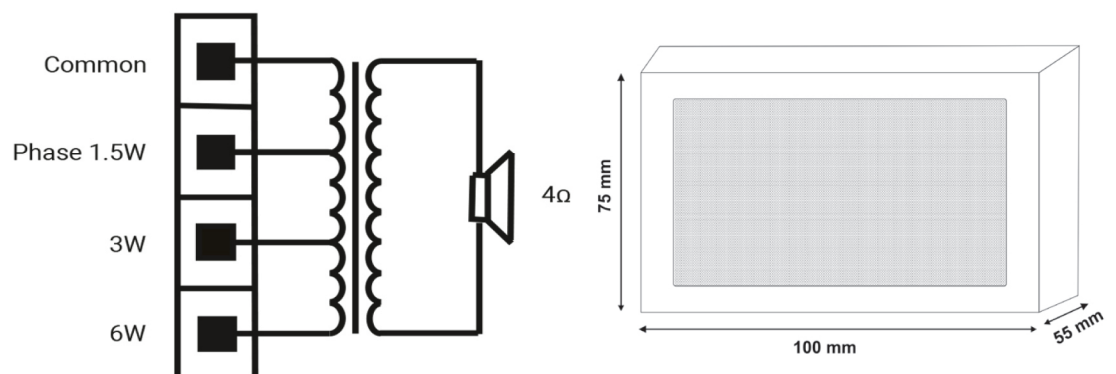
Rated Power	6W
Transformer Taping	(Tapping - 6W, 3W, 1.5W)
Impedance	1667/3333/6666 ohm
Input Power	70V/100VAC
Speaker Unit	5" Cone Type
SPL at 1W (at 1 KHz, 1m)	92 dB
Frequency Response	120Hz-16KHz
Mounting Method	Flame mounted spring-loaded clamp
Dimensions	(LX W X H)100X 75X 55 mm
Enclosure	Open frame type
Weight	0.95Kg (Without Packing Box)

New Speaker



6 Watt Full Range Speaker | Attractive, stylish ABS white plastic box | The specially designed slim speaker is obtrusive in all interiors | Equipped with the transformer to provide 100V AC | Ideal for office cabin, work stations, classrooms, shops, malls etc | Power tap selection 6W, 3W, 1.5W.

Circuit Diagram



CEILING SPEAKER

MODEL
AS-301-CS

Product Overview

AS-301-CS is an all-purpose ceiling speaker with an excellent audio performance and aesthetic appealing enclosure. This speaker features a high sound pressure level, a wide frequency response and low distortion for high sound level, suitable for speech and music reproduction. AS-301-CS has two spring clamps which can be used to easily fix the speaker into the false ceiling. It has three power taps (6/3/1.5W) with the built in 100V line matching transformer. The round metal grille is well fitted in the front

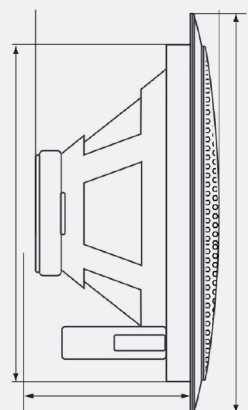
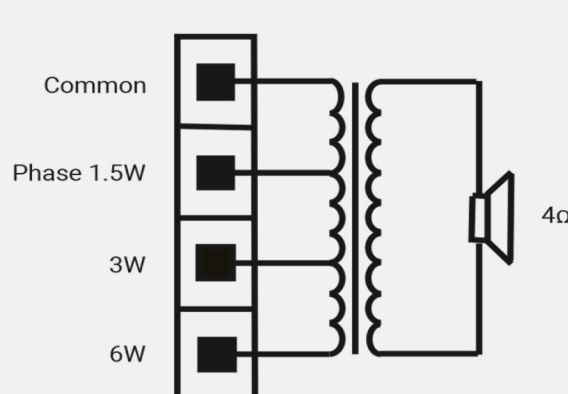
Technical Data Sheet

Rated Power	6W
Transformer Taping	6W - 3W - 1.5W
Input Power	70V/100VAC
SPL at 1W (at 1 KHz, 1m)	92 dB
Impedance	1667/3333/6666 ohm
Frequency range	60 Hz ~ 15KHz
Dimensions	208mm (OD) x 80mm (H)
Weight	0.75 Kg (without packing box)
Material	ABS with metal grill
Color	White

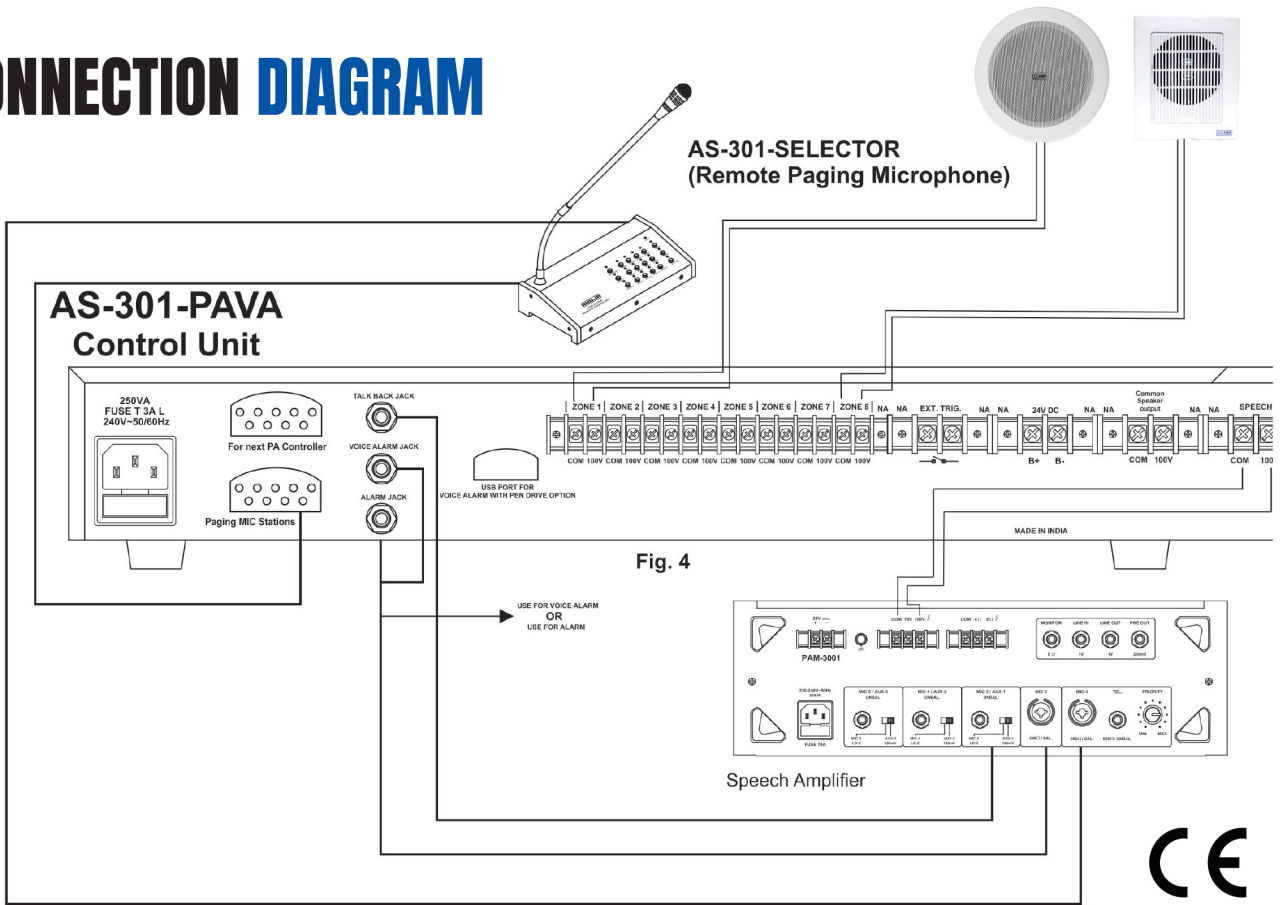


Flush-mounting system for fast and easy installation | Wide frequency response for excellent speech and music reproduction | Excellent crash and rust resistant design | ABS plastic body with metal grill | Power tapping options available -6/3/1.5W | 6 Inch full range speaker, 6W/100V

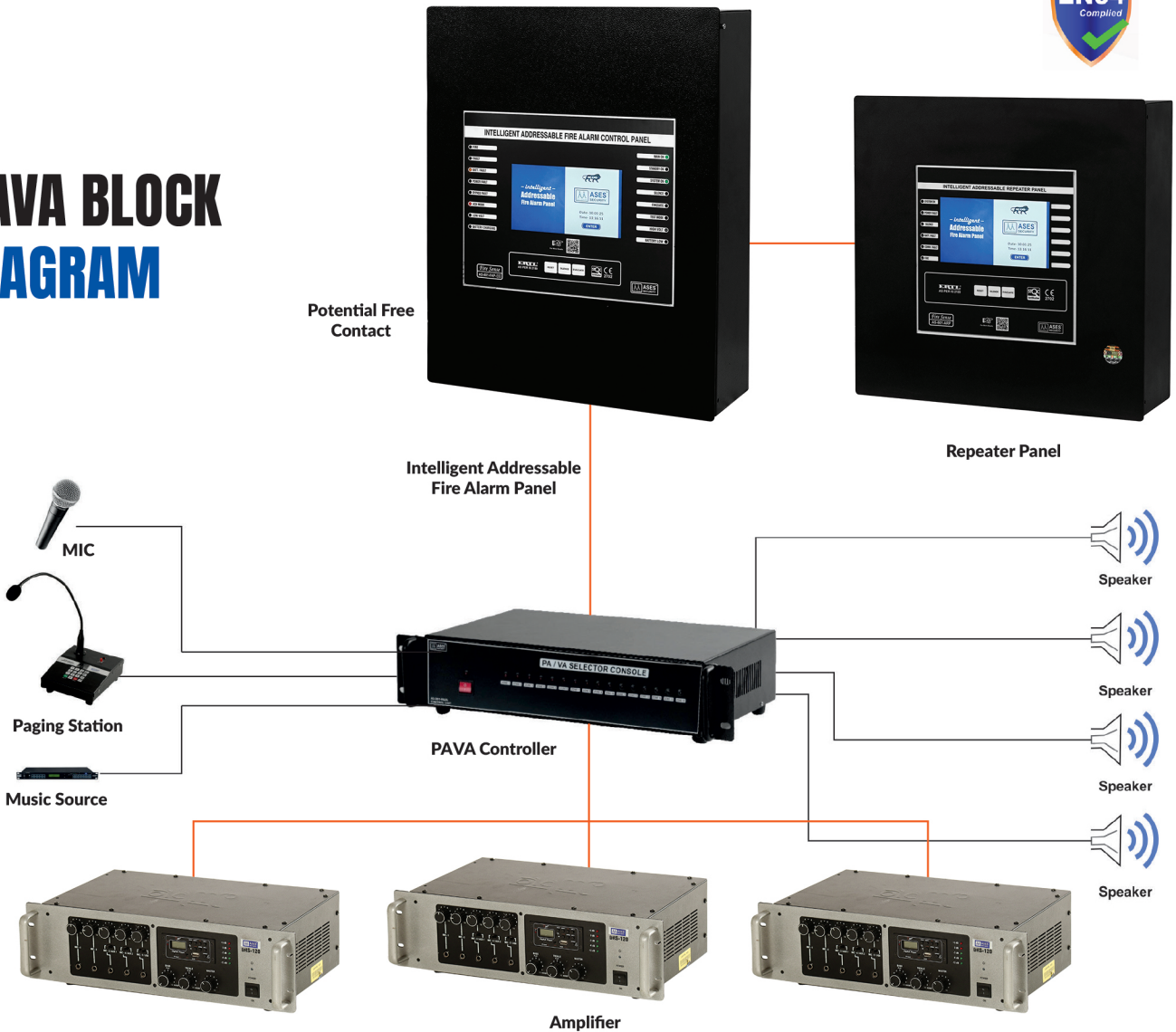
Circuit Diagram



CONNECTION DIAGRAM



PAVA BLOCK DIAGRAM



APPROVALS



REFERENCES





ISO 9001:2015

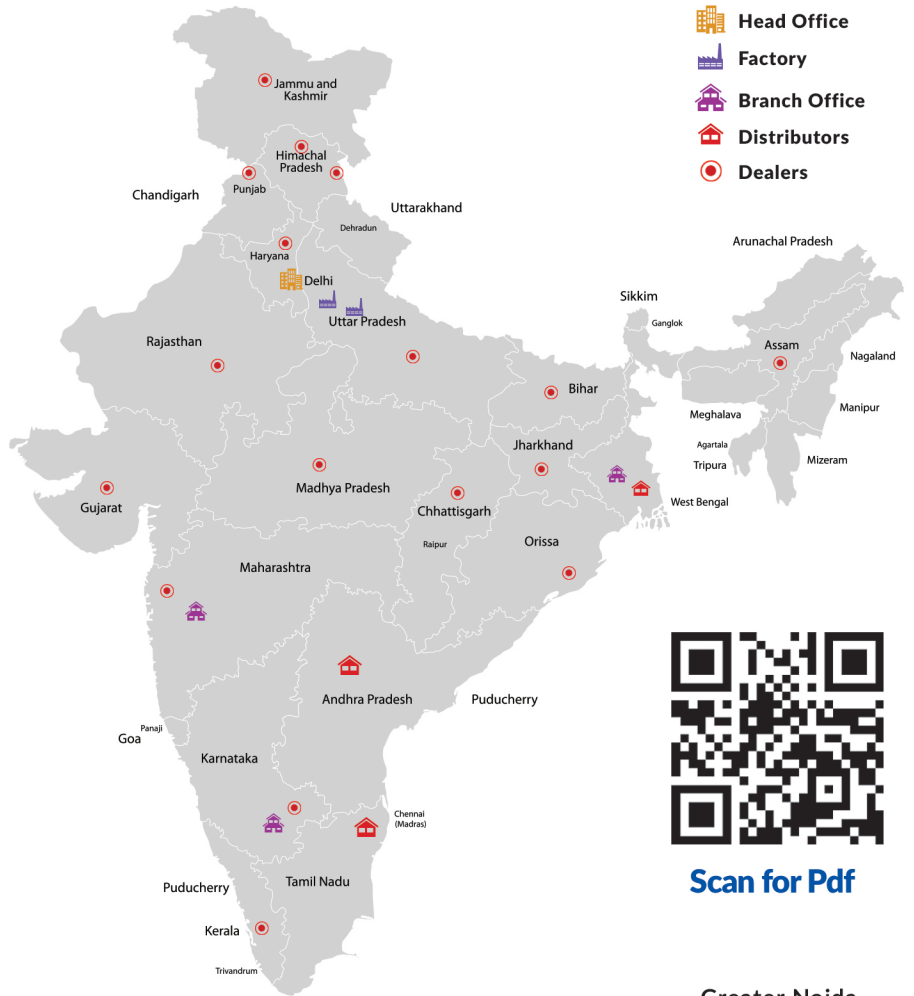
Mapping Our Growth

ASES have round the India presence with five offices and service centers- Delhi, Ghaziabad (UP), Kolkata, Mumbai and Bangalore.

Product Range

ASES offers following active/passive fire products under the brand name ASES

- Analog Addressable Fire Alarm Panel
- Digitally Addressable Fire Alarm Panel
- Electrical control Panel
- Conventional Fire Alarm Panel
- Special Fire Alarm Panel
- Fire rated doors and its hardware
- Talk Back System with Accessories
- Manual Call Box
- Response Indicators
- Fire Alarm Hooter/Strobe
- Exit Emergency Lights
- Signages



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Sahibabad Indl. Area

Greater Noida



Head Office

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Off. & Works - Unit 1

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