सबसे पहले भारत

INTELLIGENT ADDRESSABLE

FIRE ALARM CONTROL PANEL

Model : AS-801-FAP (1-10 Loop)

Description

ASES Intelligent Addressable Panel (AS-801-FAP) is an advance fire detection panel which can detect fires & Smoke through wired, detectors & Devices. With an intuitive touchscreen interface, it can provide information/address of every detector & devices and be Configured in a simple and intuitive way.

Features

ASES Intelligent Addressable fire alarm control panels are specially design & developed on **ASES FIRENET** protocol. It is a range of compact & feature rich, modern-age panel that are design to keep in mind the need of customers. Panel is designed to keep its functions & programming simple & user friendly.

Panels are fully expandable from **1-10 loops** and supplied with **7" inch touch screen** (Minimum 320 text character LCD). Each loop is capable of **supporting 250 Nos**. of detectors/devices in any combinations basic, model comes without loop card can connect 10 nos. of single loop cards. The control panel can be programmed locally through **7" touch screen**. No external **DONGLE** or special cable required for panel programming. For authentication Single level password is provided. These password can be changed as per user requirements.

The robust panel is backed by a powerful (SMPS) Power supply with all kind 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 up to **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 logging capacity is 11000 events).

Installing additional boards, it is also possible to add peripheral devices to the main panel like keyboards, printers, 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 periodic maintenance process. Nonetheless, diagnostic data and historical data recorded can be easily exported in Excel format.

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 allows 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 colour, display background, colour of the programmable LEDs, logo displayed on the welcome screen and language can be chosen as desired.

Custom Colours

Approvals:

STQC Certification

CE

EN54 Complied

ERTL As per IS : 2189

ASES **AS-801-FAP** can be programmed both on site and remotely, using the dedicated **SMS, GPRS, Ethernet, WiFi, Cloud Reporting online platform**, data can be exported and imported via USB stick. Monitoring takes place thanks to the **NTWKP2P-V1.0.0** supervision system.

The device is certified by **NABL accredited labs ERTL** for fire detection and signalling systems. It offers One levels of access depending on the operator (installer, safety manager, end user).

General Technical Data

Dimensions [mm] 5 loop/ 10 loop	510 x 410 x 125 / 910 x 465 x 160 Approx
Weight [kg] (without batteries)	10.300/30.450 Approx
External material (Cabinet)	CRCA Powder Coated
Housing/ Cabinet color	White/Black/Red (Texture PP)
Front LED Indicators	16 Nos.
Display Background	White, Blue/ Customized

Applications

One can fit small and large installations. It can find application in the following fields:

✦ Industrial plants, offices, shops and buildings that host communities.
✦ Medium and large size structures.
✦ Complex anti-intrusion systems.
✦ Other supervision and control systems.
✦ All type of Govt. & Private Building establishments .

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Don't Just Read - TOUCH!

Today, interacting with TOUCH is part of everything around us and everything we do. Fire Alarm Control Panels should not be any different. **AS-801-FAP** is not just a user interface; it is the graphical representation of commands, functions, and important information on the Fire Alarm Control Panel. All the commands, information, devices, zones, are presented using simple graphical pictures, which increases the ease of use. Additional peace of mind comes through the panel's One levels of user passwords. These ensure that only qualified people can access to the right information they need.

Language Friendly Innovation

ASES AS-801-FAP the user has a huge number languages to choose from, even the most difficult characters displayed on the advanced touch panel. Easy of communication is the main mission of **AS-801-FAP** research and development team, making communication with the user much a simpler task.

Advanced Architecture, Means Low-Cost Installations

Each loop connected to the ASES **AS-801-FAP** can accommodate up to 250 devices in any combination. The panel utilizes the robust ASES Proprietary protocol that can extend up to **2000m using 1.5mm fire-rated cables**. Each loop can support all devices with isolators allowing ease of finding fault and protecting the other devices in case of a single failure.
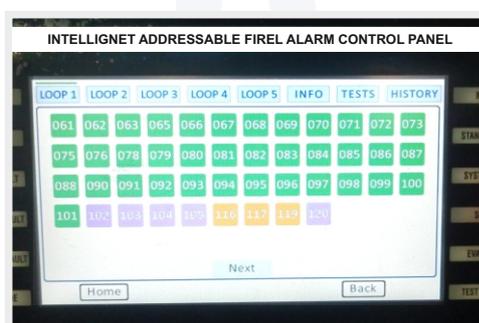
Solid Networking, Means Solid Communication

ASES **AS-801-FAP** can communicate to **64 panels** on a fault tolerant network. The distance between one panel and another can be up to 1000 meter. The AS-801-FAP panels utilise **RS-485/CANbus** network protocol.

Easy To Program

ASES **AS-801-FAP** addresses all the devices electronically. Dipswitches, or **ASES Programmer**. This feature not only makes the programming faster and easier, it also can provide a safe-addressing topology to the devices on the loop. All sounder tones, flasher speeds, automatic commissioning test, unlimited time delays, alarm duration, pre-alarm commissioning, double knock events, special event linked programs, to name few of this powerful commissioning capability.

Maintenance Is Now Easy

Effective maintenance, is in fact, the most important function of after sales service that ASES strives to provide to its clients. Now devices appear in a display, colourful presentation rather than written format. Green means Detectors is identified, Yellow means output device is identified, and finally Violet means Input Device is identified. While the ASES detectors are already equipped with **drift compensation** and patented double dust trap; easy to identify maintenance support is the key feature of **AS-801-FAP**. In addition, all the other main functions such as disabled devices will appear in the much easier to understand graphical presentation. Finally, over 11,000 events storage, will make the panel ready to accommodate a lengthy history of events for the user to scroll between.

One Cloud New Era Of Commissioning

With SMS, GPRS, Ethernet, WiFi, Cloud, the commissioning now is more innovative. The panel has different modes of programming capability, such as USB import, and direct programming from the touch screen; ASES **AS-801-FAP** innovated One Cloud based programming, allowing the engineer to program the panel over the cloud saving time and visits to site. Finally, the programming being saved on the SMS, GPRS, Ethernet, WiFi, Cloud platform can be shared and modified by more specialized personnel for instant remote support any where in the world.

Flushed Frame

ASES **AS-801-FAP** panel allows flushed mount installations making the already good looking panel more aesthetically pleasing.

Electrical Data

Power Supply	200-240V AC 50/60Hz
Stand by Power Supply	24Vdc
Stand by Current Consumption 5L/10L	350 mA/750mA @ 24Vdc (Panel) 50mA @ 24Vdc (Loop card)
Required Standby Power supply	3 Ah @ 24Vdc per Loop
Battery Charger Range	7 Ah-50Ah (use separate cabinet for batteries over 15 Ah)
Battery Space (5L/10L)	2x12Vdc 15Ah/30Ah
Electrical Protection	Short Circuit Protection Fuse F4Ah
Battery Protection	Efficiency control Disconnection in case of over discharge
Max Current available for the Loop [mA]	500 mA per Loop card
Auxiliary Supply Output	24V dc@2A/12V dc@ 2A
General Fault report relay	230ac@7A V dc@7A Buzze 2 PFC Relay (1 Fire + 1 Fault)

Hardware Speciecations

Microprocessor	32 bit
Master Board	Main Board-V1.0.0 (16IDCT-2LPI-FSMC-SCR1)
Memory	RAM : 2 MB, Flash : 1 MB, EEPROM : 16MB
Display	480 * 800 Pixels , 7 " TFT Touch Screen display
Loop Number	(Expandable to 10)
Intelligent Lines Connection	Open or Closed Loop
Loop Lines Length	Up to 2000 m (Max.)
Remote keyboards distance	Up to 1000m
Cable knockouts [mm]	2*8 (25) Nos.
Alarm sounder	Silencing and / or excludable buzzer
Peripheral devices input/output	RS485
Input/Output for programming and remote management	RS232/mini USB
Internal Protection Level	IP 30
Operating Temperature [°0]	–5° C to 60° C
Storage Temperature [°0]	–20° C to 70° C

Software Speciecations

Supported Devices	ASES Proprietary Protocol
Communication Protocol	USB Port for Panel Configuration RS 485/ Proprietary for Repeater panel & networking
Zone 5L/10L	Create 50/100 Zones Per Panel
Devices	250 Detectors & Devices per Loop
Events Logging	Up to 11,000 (FIFO)
Programming	Locally with keyboard remote with one cloud software
Access	safet Single Level Password
Languages	MODBUS over TCP/IP

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Accessories

Main Mother Board	Main Board-V1.0.0 (16IDCT-2LPI-FSMC-SCR1)
Expansion loop card	LP-V1.0.0
LTDC Card	LTDC_V_1.0.0 (FSMC_2N_FLS)
LAN or WAN network Card	V1.0 RS 485
Power Distributor Card	PDC_V1.1.1
Network Card	NTWK_P2P_V1.0.0 (Optional)
Printer Module	AS-800-PTR (Optional)
MODBUS Card	AS-800-MODIP (Optional)
Additional Supply	Meanwell

Expansions

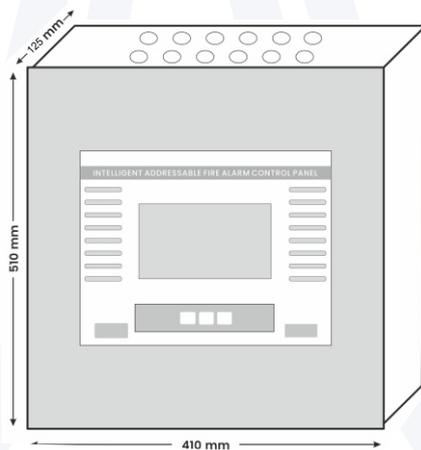| Loops	Up to 10, open or closed (With LPV_1.1.1_GO Board)
Devices per loop	Up to 250 Nos.
Devices per control Panel	Up to 2500 (with LPV_1.1.1_Go Board)
Control Panels which can be connecting a Networking	Up to 32 (with NTWK_P2P_V1.0.0 Card)
Connectable remote keyboards	Up to 16 (Rs485)

Mechanical Description

MS steel sheet use with super black matt powder coating.
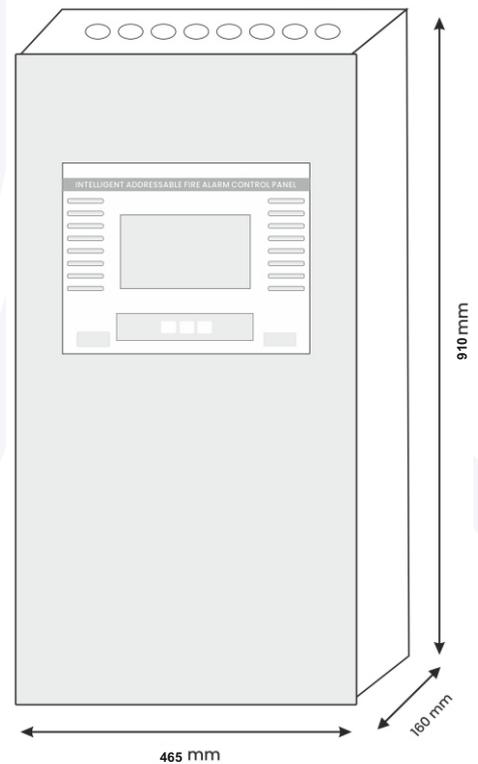
Sheet thickness 1.2 mm GI.

Colour / Finish- White, Black, Red & matt finish.

Weight- 10kg (approx) without battery.

5 Loop Panel Mechanical Description

10 Loop Panel Mechanical Description

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Loop Wiring Installation

Cabling Type	Class A
Wire Size	1.5 sq. mm Avobe
Loop Line Voltage	24 Vdc Normal
Wire Length	> 2000 meter.

Limited Warranty

ASES warranty that the product will be free of charge for repairing or replacing from defects in design, materials and workmanship during the warranty period. This warranty does not cover any product that is found to have been improperly installed or used in any way not in accordance with the instructions supplied with the product. Anybody, including the agents, distributors or employees, is not in the position to amend the contents of this warranty. Please contact your local distributor for products not covered by this warranty.

AHU

—///— = 2 x 1.5 Sqmm cable/ wire

—//— = 2 x 1.5 Sqmm twisted & sheilded cable