

# INTELLIGENT ADDRESSABLE FIRE ALARM CONTROL PANEL

Model : AS-801-SFAP (1-5 LOOP)

## Description

**ASES Intelligent Addressable AS-801-SFAP** is an advanced fire detection Panel that can detect fire & smoke through wired connected detectors & devices. With an intuitive touchscreen interface, it can provide information and be Configured simply and intuitively.

## Features

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

Panels are expandable from **1-5 loops** and supplied with a **7-inch touchscreen**. Each loop is capable of **supporting 125 Nos.** of detectors/devices any combination basic model that comes without a loop card can connect 2 nos. of single loop cards. The control Panel can be programmed locally through a **7-inch touchscreen** of 480 x 800 pixels (320 Text Characters). This screen is TFT, abilities to display user interactive graphics and touchscreen. No external **DONGLE** or special cable is required for panel programming. For authentication, a single password is provided. This password can be changed as per user requirements.

The robust panel is backed by a powerful (SMPS) Power supply with all kinds of protections high voltage, short circuit, reverse battery, low battery, earth fault, voltage fluctuation. The power supply is designed with an inbuilt battery charger that can charge the battery up to a **2x12V 7Ah battery**.

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 SFAP** 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.

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 us 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.

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

## Custom Colours



## Approvals:



## General Technical Data

Dimensions [mm]	410 x 360 x 120, 510 x 410 x 125 (WxHxD)
Weight [kg] (without batteries)	10.250-12 kg (approx)
External material	CRCA Powder Coated
Housing Color	White, Black, Red (Texture PP)
Front LED	16 Nos.
Display Background	White, Blue

## Applications

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

- >> Small Industrial plants, offices, shops, and buildings that host communities .
- >> Medium and small size structures.
- >> Complex anti-intrusion systems.

## 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-SFAP** 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, and zones, are presented using simple graphical pictures, which increases the ease of use. Additional peace of mind comes through the panel's level of user password. These ensure that only qualified people can access the right information they need.



## Language Friendly Innovation

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

## Advanced Architecture, Means Low-Cost Installations

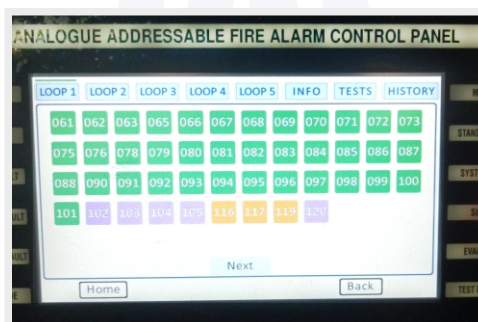
Each loop connected to the ASES **AS-801-SFAP** can accommodate up to 125 devices in any combination. The panel utilizes the robust ASES Proprietary protocol that can extend up to **1500 m using 1.5mm fire-rated cables**. Each loop can support all devices with isolators allowing ease of finding fault and protecting the other devices in case of a single failure.

## Easy To Program

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

## 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, colorful presentation rather than written format. Green means the Detectors are identified, Yellow means the output device (CM) is identified, and finally, Violet means the Input Device (MM) is identified. While the ASES detectors are already equipped with **drift compensation** and a patented double dust trap; easy to identify maintenance support is the key feature of **AS-801-SFAP**. In addition, all the other main functions such as disabled devices will appear in the much easier-to-understand graphical presentation. Finally, over 5000 events storage, will make the panel ready to accommodate a lengthy history of events for the user to scroll between.



## Flushed Frame

ASES **AS-801-SFAP** 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 1-2 Loop	300-400 mA @ 24Vdc (Panel) 50mA @ 24Vdc (Loop card)
Required Standby Power supply	3 Ah @ 24Vdc per Loop
Battery Charger Range	7 Ah-50Ah (use the separate cabinet for batteries over 7 Ah)
Battery Space (1-5 Loop)	2x12Vdc 7Ah
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 Specifications

Microprocessor	32 bit
Master Board	FACP_ADR_2LOOP_V1.0.0
Memory	RAM: 2 MB, Flash: 1 MB, EEPROM: 16MB
Display	480 * 800 Pixels, 7 " TFT Touchscreen display
Loop Number	1 (expandable to 2) Nos.
Intelligent Lines Connection	Open or Closed Loop
Detection Lines Length	Up to 1500 m (Max.)
Remote keyboards distance	Up to 1000m (Max in Ideal Condition)
Cable knockouts [mm]	2*8 (25) Nos.
Alarm sounder	Silencing and/or excludable buzzer
Peripheral devices input/output	RS485
Internal Protection Level	IP 30
Operating Temperature [o0]	-5 °C to 60 °C
Storage Temperature [o0]	-20 °C to 70 °C
Integration	Can be integrated with third-party PA System

## Software Specifications

Supported Devices	ASES Proprietary Protocol
Communication Protocol	USB Port for panel Configuration, RS 485/ Proprietary for Repeater Panel.
Zone 1-5 Loop	Create 20 Zones Per Panel
Devices	125 Detectors & Devices per Loop
Events Logging	Up to 5,000 (FIFO)
Programming	Locally with USB Printer Cable
Access Safety	Single-Level Password

## Accessories

Main Mother Board	FACP_ADR_2LOOP_V1.0.0
Expansion loop card	LPV_1.1.1_GO
Additional Supply	Meanwell

## Expansions

Loops	Up to 5, open or closed (with LPV_1.1.1_GO Board)
Devices per loop	Up to 125
Devices per control panel	Up to 250 (with LPV_1.1.1_GO Board)
Connectable remote keyboards	Rs485

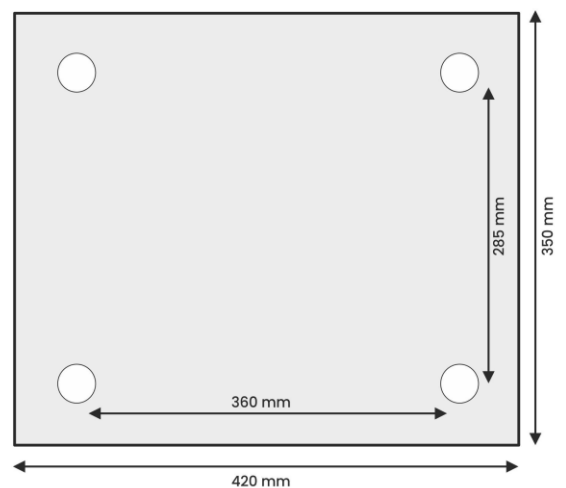
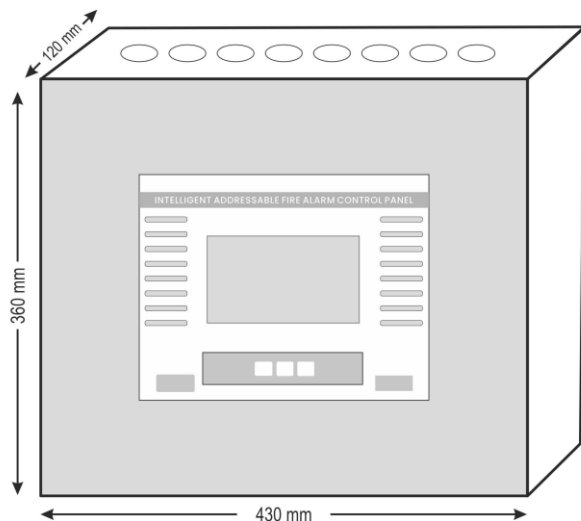
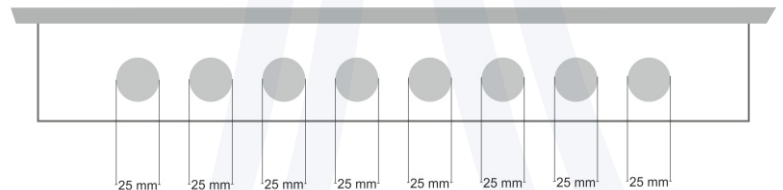
## Machanical Description :

MS steel sheet use with super black matt powder coating.

Sheet thickness 1.2 mm CRCA.

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

Weight- 10.250kg (approx) without battery.





## Loop Wiring Installation

Cabling Type	Class A
Wire Size	1.5 sq. mm Max.
Loop Line Voltage	24 Vdc Normal
Wire Length	1500 meters max.

## Limited Warranty

**ASES** warrants that the product will be free of charge for repairing or replacing 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 by 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.

