

FACPES FIRE ALARM CONTROL PANEL

The FACPES Addressable Fire Alarm Panel represents the pinnacle of fire detection and response technology. Engineered for versatility and scalability, it supports 1 to 12 addressable loops, making it suitable for a wide range of applications, from small commercial properties to large industrial complexes. Each loop can connect up to 254 devices, allowing for extensive coverage and tailored system design to meet specific needs.

This panel integrates advanced detection algorithms to minimize false alarms while ensuring rapid identification of genuine threats. Its intuitive user interface, featuring a vibrant touchscreen display, simplifies monitoring and management, enabling operators to respond swiftly to emergencies.

The FACPES is designed with robust communication capabilities, facilitating integration with additional panels for centralized monitoring. With remote access features, users can oversee system status and receive alerts in real-time, enhancing situational awareness and response times.

Built with reliability in mind, the FACPES comes with a comprehensive event logging system, ensuring all actions and alarms are recorded for compliance and auditing purposes. With flexible power options, including backup battery support, this fire alarm panel guarantees continuous operation, even in the event of power interruptions.

By choosing the FACPES, you're investing in a sophisticated fire alarm solution that prioritizes safety, adaptability, and ease of use, ensuring peace of mind in protecting people and property.



Areas of Use	Feature and benefits
- Offshore Platforms	- Built-in network capabilities for integration with additional panels control system
- Tank ships and other vessels	- Supports up to 12 addressable loops.
- Oil and Gas	- Comprehensive event logging to record all system activity.
- Residential & Commercial	- Internationally certified by UL and other agencies
- Chemical Plants	- Each loop can accommodate up to 254d devices. Combination of different sensing technologies.
- Other Industrial Applications	- Patented protocol with enhanced reliability and false alarm avoidance
- Hospitality	- Highly scalable and modular, backward compatible.



Up to 12 Loop Cards

The FACPES Addressable Fire Alarm Panel offers exceptional scalability with the capability to support up to 12 loops. Each loop can connect up to 254 addressable devices, enabling comprehensive coverage across extensive facilities.

ES-Rapid Communication Protocol

The ES-Rapid addressable protocol is designed to provide the fastest response time, assigning unique addresses to each device on a loop. This enables the panel to pinpoint the exact location of an alarm, enhancing response efficiency.

UL Certified

The FACPES Addressable Fire Alarm Panel is UL certified, meeting rigorous safety and performance standards established by Underwriters Laboratories (UL). This certification ensures that the panel has undergone comprehensive testing for reliability, durability, and fire safety performance.

Multiple Output Communications

The FACPES seamlessly integrates with various building management systems (BMS), emergency communication systems (ECS), and remote monitoring services, enhancing overall safety and efficiency. This capability allows for centralized monitoring, timely alerts, and automated responses during emergencies, ensuring that all systems work together to protect occupants and streamline operations. The panel has multiple outputs which communicate via RS-485 (Modbus) & Ethernet.



Specification

Specification	
Input Voltage	85/265VAC (~ 60/50 Hz)
Detector Communication Protocol	ES-Rapid©
Loop Cards	1-12 Loop Card Configurations
Aux Power Supply (Output)	1 No's - 24 VDC (18-32 VDC)
Operational Characteristics	
Zones	Up to 40
Detectors Per Loop	- Up to 254 per Loop - Up to 120 per Loop (with Gas Detectors)
Internal Sounder	In Panel Sounder
Display	- LCD Display & Keypad - 7" Touchscreen***
LED Indication	Zone/Alarm/Status/Power Supply/Others
Programming Controls	- Alphanumeric Keypad - Touchscreen***
Operating Temperature	0 to +60C
Relative Humidity	0 to +95% RH
Battery Back Up	Up to 24hrs (12Ah)***
IP Rating	- IP30 - IP66/67***
Compatible Detectors (via ES-Rapid©)	- Smoke - Heat (Fixed & ROR) - Multisensor - Gas (IR, EC, CAT, PID) - Beam
Compatible Modules (via ES-Rapid©)	- MCP - Hooter - Beacon - Hooter & Beacon - Relay Output - Relay Input - Output Control (24VDC/220 VAC) - 4-20mA Monitor Modules
Compatible Modules/Detectors (non addressable)	- Third party items compatible via input/output modules
Serial Communication & Outputs:	
Sounder (NAC) Output	2 programmable outputs
Auxiliary Relay	3 Programmable outputs (Fire, Fault, Supervisory): 3 No's
RS-485 (Modbus)	3 No's
Ethernet Ports	1 No
USB Ports	1 No
Software & Tools:	
Operational Software	ESP Operator - Used for operation and live monitoring of controller and related equipment. Used during live panel operation.
Design Software	ESP Builder - Used for designing the fire and gas detection system in accordance to panel capabilities and safety norms. Utilized during the design stages
Mechanical Characteristics	
Color	Red/Black/Silver

Dimensions	• 2 Loop - 520*435*152 mm • 6 Loop - 520*670*152mm • 12 Loop - 15 Kg - 520*830*193mm
Weight	• 2 Loop - 10 Kg • 6 Loop - 12 Kg • 12 Loop - 15 Kg
Knockouts	22 mm - 18 (Top), 18 (Bottom), 4 (Left) and 4 (Right)

*** Marked items are options that are available upon request

Certifications



UL 864 (10th Edition)
Control Units and
Accessories for Fire
Alarm Systems
