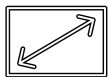# VOLCANO

INTELLIGENT ADDRESSABLE FIRE DETECTION SYSTEM

Volcano Addressable Fire Detection System is a modern fire detection solution designed to meet high safety standards. The system consists of control panels that communicate over 1, 2, or 4 loops; smoke detectors, heat detectors, gas detectors, manual call points, indoor and outdoor sounders, and input/output modules.The detectors are equipped with short-circuit protection and comply with EN54 standards.To simplify connection and configuration, the system includes a variety of desktop software tools.

7" LCD Touchscreen & 4x20 LCD Display	1/2/3/4 Loop Connection	12 LED Indicators	EN54 Compliant	PC Software
Built-in Voice Alert and Speaker	Battery Connection	Short Circuit Isolator	RS485 and Ethernet Connection	Built-in Siren Output

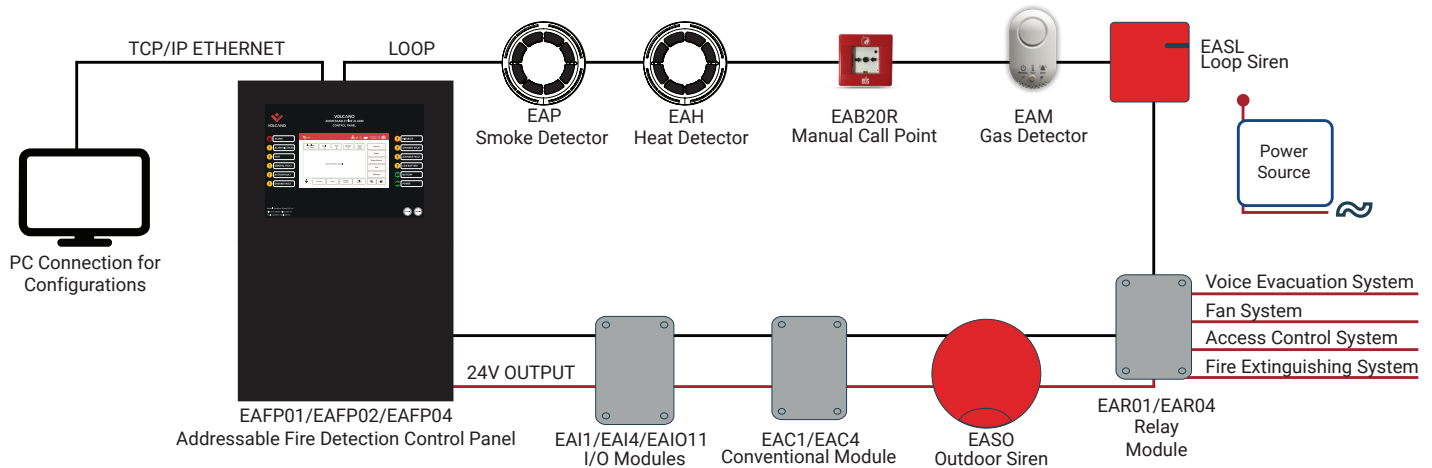**Residence** | **Shopping Centers** | **Hotels** | **Industrial Facilities** | **Airports**

Connection

TCP/IP ETHERNET

LOOP

EAP
Smoke Detector

EAH
Heat Detector

EAB20R
Manual Call Point

EAM
Gas Detector

EASL
Loop Siren

Power Source

PC Connection for Configurations

24V OUTPUT

EAFP01/EAFP02/EAFP04
Addressable Fire Detection Control Panel

EAI1/EAI4/EAIO11
I/O Modules

EAC1/EAC4
Conventional Module

EASO
Outdoor Siren

EAR01/EAR04
Relay Module

Voice Evacuation System
Fan System
Access Control System
Fire Extinguishing System

ADDRESSABLE PRODUCTS

Addressable Fire Detection Control Panels

Addressable Fire Detection Control Panel

EAFP01/EAFP02/EAFP04

▶ Supports 1, 2 and 4 loops, accommodating a maximum of 127 devices per loop
▶ Equipped with 50 zones for efficient monitoring and management
▶ Features LEDs indicating Fire and Fault conditions, enhancing visual alerts
▶ Offers automatic configuration, simplifying the setup process and reducing manual intervention
▶ Features a 7" LCD Display Touch Screen for clear and detailed visual feedback
▶ Includes a history log memory for tracking system events and changes over time
▶ Equipped with 1 RS232 port, Network Ethernet port, and 3 USB ports for versatile connectivity options
▶ Complies with EN54-2 and EN54-4 standards

Addressable Fire Detection Control Panel Lite

EAFPL

▶ Supports 1 loop, accommodating a maximum of 127 devices per loop
▶ Equipped with 32 zones for efficient monitoring and management
▶ Features LEDs indicating Fire and Fault conditions, enhancing visual alerts
▶ Offers automatic configuration, simplifying the setup process and reducing manual intervention
▶ Features a 4x20 LCD display screen for clear and detailed visual feedback
▶ 1 RS232 port, 3 relay outputs (1 internal alarm, 1 fire relay output, and 1 fault relay) with versatile connection options
▶ Complies with EN54-2 and EN54-4 standards

Addressable Optical Smoke Detector

EAP/EAPE

▶ Two red LEDs for alarm and live indicator
▶ The sensor type is IR (Infrared) and it features pollution compensation, ensuring accurate detection in varying environmental conditions.
▶ Equipped with short circuit protection and should continue to operate in case of a short circuit in loop line
▶ EAP&EAPE complies with EN54-7 and EN54-17, EAPE with EN54-7

Addressable Optical Heat Detector

EAH/EAHE

▶ Two red LEDs for alarm and live indicator
▶ The sensor type is NTC with 70°C operation, ensuring accurate detection in varying environmental conditions
▶ Equipped with short circuit protection and should continue to operate in case of a short circuit in loop line
▶ EAH&EAHE complies with EN54-5 and EN54-17, EAHE with EN54-5

Addressable Optical Smoke and Heat Detector

EAPH/EAPHE

▶ Two red LEDs for alarm and live indicator
▶ The sensor type is IR (infrared) and NTC, operates at 70°C, and has a contamination compensation feature, thus ensuring accurate detection in changing environmental conditions.
▶ Equipped with short circuit protection and should continue to operate in case of a short circuit in loop line
▶ EAPH&EAPHE complies with EN54-29 and EN54-17, EAPHE with EN54-29

Addressable Gas Detector

EAM

▶ Sensitive to natural gas (methane) and LPG
▶ LED indicator (Operation, Test, and Alarm LED)
▶ Piezo buzzer / 85dB sound output
▶ 50m² protection area
▶ Relay output / IPX2D protection
▶ Complies with EN 50194-1 standard

Addressable Fire Alarm Button

EAB20R/EAB20RE

▶ Resettable Call Point
▶ Shatter-proof material
▶ IP24 protection class With its short-circuit protected model, it continues to operate even if there is a short circuit in the loop line.
▶ EAB20R complies with EN54-29 and EN54-17, EAB20RE with EN54-29

Addressable Loop Sounder

EASL/EASLE

▶ The loop-powered siren has an LED indicator for instant visual warning. It is silenced by the panel in the event of an alarm
▶ Produces a powerful sound ranging from 65-85dB for effective alerting
▶ Equipped with short circuit protection and should continue to operate in case of a short circuit in loop line
▶ EASL complies with EN54-3 Class II and EN54-17, EASL with EN54-3

Addressable External Sounder

EASO/EASOE

▶ External 24V powered outdoor siren with LED indicator for instant visual warning
▶ Can be silenced by the panel in alarm mode
▶ 100-106dB sound range for effective warning
▶ Equipped with short circuit protection and should continue to operate in case of a short circuit in loop line
▶ EASO complies with EN54-3 Class IV and EN54-17, EASO with EN54-3

Addressable Flasher Sounder
EASF/EASFE

▶ Flasher sounder includes an LED indicator and a flasher for instant visual alerts
▶ It can be silenced by the panel in case of an alarm
▶ 90–97dB sound range for effective warning
▶ Equipped with short circuit protection and should continue to operate in case of a short circuit in loop line
▶ There are 4 tone options, 2 sound levels, and 2 flash settings available
▶ EASF complies with EN54-3 Class II, EN54-23 and EN54-17, EASFE with EN54-3 Class II, EN54-23

I/O Modules

Relay Output Module 4 Outputs / Relay Output Module 1 Output
EAR04E/EAR01E

▶ It is used to control the activation or deactivation of various devices within the fire alarm system
▶ Operates with external 24V power supply
▶ Models with 1 and 4 outputs are available
▶ Output relay type: COM-NO-NC 2A@24VDC
▶ With its short-circuit protected model, it continues to operate even if a short circuit occurs on the loop line
▶ 10 cable entries / IP55 rated
▶ EAR04&EAR01 complies with EN54-18 and EN 54-17, EAR04E & EAR01E with EN54-18

Input Output Module 1 Input 1 Output
EAIO11

▶ By providing a single input through the module, the open and closed states of the inputs can be monitored via the addressable system, and a dry contact output can be provided through the output.
▶ Operates with external 24V power supply
▶ Supervised 1 input (Active, normal, open circuit, short circuit)
▶ Supervised 1 output.
▶ Equipped with short circuit protection and should continue to operate in case of a short circuit in loop line
▶ 10 cable entries / IP55
▶ EAIO11 complies with EN54-18 and EN 54-17, EAIO11E with EN54-18

Input Module 1 Input / Input Module 4 Input
EAI1E/EAI4E

▶ Open and closed states can be monitored via an addressable system with this module
▶ Controlled 1 or 4 input options (Normal, open circuit, short circuit, pre-alarm, alarm)
▶ EOL resistance, open and short circuit monitoring for continuous monitoring
▶ With its short-circuit protected model, it continues to operate even if a short circuit occurs on the loop line.
▶ 10 cable entries / IP55
▶ EAI1&EAI4 complies with EN54-18 and EN 54-17, EAI1E&EAI4E with EN54-18

Conventional Module 4 Zone / Conventional Module 1 Zone
EAC1/EAC4/EAC1E/EAC4E

▶ The module enables the use of conventional devices with an addressable system.
▶ Controlled 1 or 4 input options (Normal, open circuit, short circuit, pre-alarm, alarm)
▶ EOL resistance, open and short circuit monitoring for continuous monitoring
▶ Equipped with short circuit protection and should continue to operate in case of a short circuit in loop line
▶ 10 cable entries / IP55
▶ EAC1&EAC4 complies with EN54-18 and EN 54-17, EAC1E&EAC4E with EN54-18