easy detect
Fire Security Products

# Addressable System

## DOE-120-AI

Optical smoke detector with isolator

**Description**

The DOE-120-AI optical smoke detector with isolator has been designed based on the latest technological advances on the market. Its European design makes the 100 range an ideal option for those installations where the balance between functionality and aesthetics is necessary. It uses a communication protocol with great stability based on the Ultrafast frequency analysis, thanks to its Ed-Fast Search technology performs one of the fastest readings on the market, providing all the information in a short space of time.

The 100 series optical smoke detectors are based on the principle of light dispersion (Tyndall). They have an intelligent algorithm that learns under the installed conditions and adapts its reading to avoid false alarms. With its dual chamber, we prevent insects and unwanted particles from entering the analysis chamber and thus reduce the impact of unwanted alarms.

Addressing of this range can be done:

- Using PGE-100 manual programming tool
- By serial number of the devices
- By app via Bluetooth
- Through auto-addressing

**Applications**

Thanks to its advanced suspension analysis technology, the Easy Detect 100 series optical smoke detector range is defined as a reliable fire detection for slow burning fires. This type of detector is suitable for a wide spectrum of fire occurrence (offices / factories / parking lots / warehouses / clean rooms / boiler rooms).

**Features**

- Made in Spain
- Intelligent decision algorithm
- Parallel indicator output
- Ultrafast Protocol

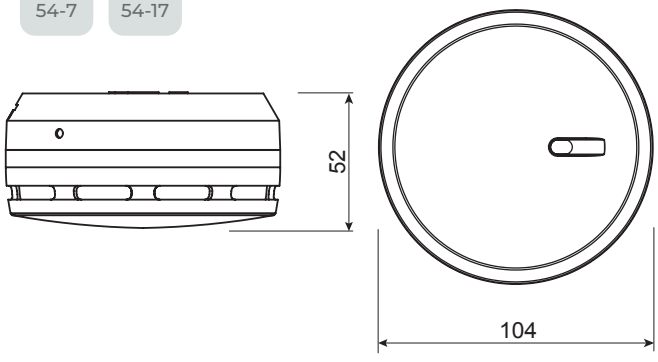
**Technical Features**

| | | |
|---|---|---|
| **DETECTOR** Loop Features | Working voltage: | From 22 to 38VDC |
| | Consumption in rest: | < 300 µA |
| | Consumption in alarm: | < 11 mA |
| **CONNECTION** | 2 x 1,5 mm² braided and shielded connection to ZCE-100 base | |
| **ENVIRONMENT** | Working temperature: | From -10ºC to 70ºC |
| | Relative humidity: | 95% without condensation. |
| | IP Index: | IP40 |
| **PHYSICAL FEATURES** | Head (height x diameter): | 52 x 104 mm |
| | Material: | ABS |

**CERTIFICATION**

EN 54-7 EN 54-17

**Dimensions**

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