

# THERMAL DETECTION & AUTONOMOUS TRIGGERING DEVICE



EZG-F101 68°C



## Fire-Tag®

Fire-Tag®; in models with thermal bulbs, when the ambient temperature (one of the thermal bulbs of 57°C, 68°C, 79°C or 93°C depending on the characteristics of the environment) reaches the targeted temperature, it becomes active and produces the electrical current required for the fire extinguisher to operate.

Fire-Tag®, is suitable for use with both aerosol and impulse powder reactor type fire extinguishers. It is a standalone device that does not require a power source.

**Fire-Tag® has higher performance than equivalent products.**

### How Does It Work?

When the ambient temperature exceeds the specified temperature level, the liquid inside the thermal bulb expands and breaks the bulb, activating the device.

The magnets on the rod released by the stretched spring pass through the induction coil and ensure that sufficient current is generated.

The DC voltage it produces is not less than 25V. The current produced is sufficient to activate fire extinguishers.

### Where Can It Be Used?

- Flammable and explosive hazardous areas
- Electric panels
- Machinery and Electrical rooms
- Petrochemical Industries
- Warehouses
- Indoor spaces
- Tunnels
- Underground cable galleries



2Exib IIBT4  
IP54

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# All Fire-Tag® Models



EZG-F101 57°C



EZG-F101 68°C



EZG-F101M / Manual Type



EZG-F101 79°C



EZG-F101 93°C



EZG-F101S-XX°C

EZG-F101SM

S-XX: Bulb + Magnetic Contact (W/Reed-Switch)

SM: Magnetic Contact + Manual

## Technical Specifications

- Fire-Tag® is marked **2ExibIIBT4** for explosion protection. It can be used in explosion-hazardous areas.
- The protection level against environmental conditions is IP54.
- Fire-Tag® produces an electrical pulse with an amplitude of not less than 25V at a 1.6Ω load. At 25V level the pulse duration is at least 2.1ms.
- Fire-Tag® device dimensions and weight; height 96mm., diameter 65mm., weight 217g.
- Throughout the effective usage period of Fire-Tag®, it generates the necessary current for the operation of fire extinguishers in environments with temperatures from -40°C to +65°C and relative humidity of up to 98%.

### (OPTIONAL)

All Fire-Tag® models can use a magnetic switch mounted inside the device. When the device is not active, the switch is in the NO position. When the Fire-Tag® is active, the contact closes and goes to the NC position.



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**Only visual inspection is recommended during the duration of use of the effect**

**NO MAINTENANCE REQUIRED**

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