

ALGORITHMIC HEAT DETECTOR

AE/SA-T

Descripción

Heat detector with microprocessor that can be programmed from the fire panel to monitor temperature parameters on two levels: Differential and thermal.

Fabricated and certified according to the standard UNE EN 54-5:2001. Class A1 thermal response.

The thermal detectors are specially designed for those places in which fire begins with sharp rises in temperature or where smoke detectors are not recommended due to the presence of combustion gases in the atmosphere.



Operation

Controls two alarm levels:

1. Differential: It enters an alarm state when a sudden increase in temperature exceeds the parameters programmed in a certain period of time.
2. Thermal: It enters an alarm state when a slow increase in temperature, which has not been detected by the differential system, reaches a preset temperature.

Includes:

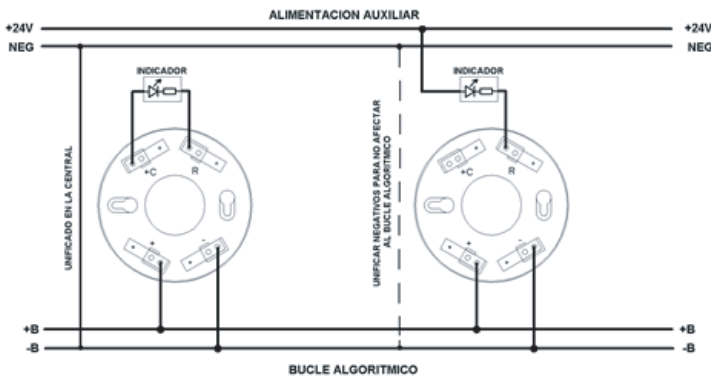
* Operation indicator: They indicate correct operation by flashing green on the alarm LED. If the flashes are annoying in specific cases, they can be inhibited individually from the detector itself, or globally from the Algorithmic Fire Control Central.

* Alarm level: This level is programmed from the Algorithmic Central, individually, by sectors or collectively for each type. They always take a default value to ensure correct operation.

* Remote alarm output: They have a remote alarm output for connecting action indicators, etc., which is activated when the detector reaches the programmed alarm level.

* Individual identification: Each detector is individually identified with a number within the installation loop. This number is stored in EEPROM memory so it is maintained even if the detector remains without power for a long time.

Connected scheme



Mounting

The detector base can be mounted directly on false ceiling surfaces, or on octagonal (75mm, 90mm or 100mm), round (75mm) or square (100mm) electrical junction boxes, without the need for a mechanical adapter.

Cabling:

Disconnect the power supply to the detection loop before installing the detector base.- Connect the positive input of the detection loop to the + terminal.- Connect the negative input of the detection loop to the - terminal.- If a remote action indicator is to be installed, connect the positive of the indicator to the +C terminal or the positive of the auxiliary power supply, and the negative to the R terminal.

TECHNICAL CHARACTERISTICS	CERTIFICACIONES
Supply voltage: 18 ~ 27 V (AE/SA-CTL Card Algorithmic Loop). Standby consumption: 1.1 mA Alarm consumption: 4 mA Temperature range: -10º - +50º C (ambient temperature) Humidity range: Relative humidity 10% - 90% without condensation. Shell material: ABS Color: RAL 1013 Light indicator: Operation indicator: green flash (can be inhibited). Alarm: solid red Dimensions: Ø 106 mm Height: 53 mm with low plinth Remote alarm output: max 80 mA. Compatible sockets: AE/SA-Z low socket AE/SA-ZA high plinth.	0099/CPD/A74/0014 