

THERMOVELOCIMETRIC DETECTOR

AE/C5-TV

Description

Temperature detector that controls the temperature parameters on two levels:

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

Each detector has 2 light indicators (LED) that visibly indicate its operating status at rest and alarm. In addition, a remote indicator can be connected by connecting it to the base of the detector.

Once the detector is activated, the alarm remains locked, being necessary to make a momentary cut of the power supply to be able to restore it.

Manufactured according to EN 54-5: 2000. Class A2R thermal response.

Thermal detectors are specially designed for those places where the fire starts with sudden temperature rises or where smoke detectors are not recommended because there are combustion gases in the environment.



Mounting and wiring

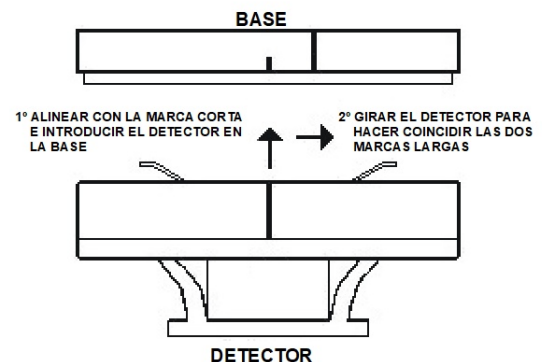
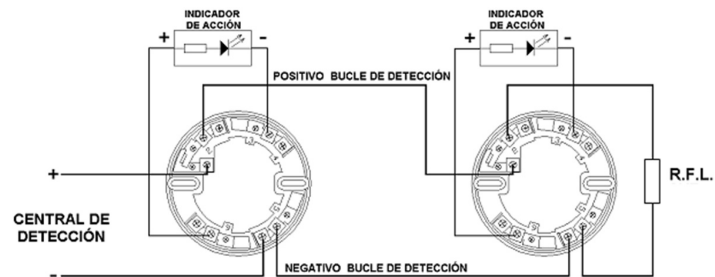
Mounting:

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

Wiring

Disconnect the supply voltage from the detection loop before installing the detector base.

- Connect the positive input of the detection loop to terminal 2 (positive input of the detection loop). Terminal 2 has two separate connectors, one for the input loop and the other for the output loop.
- Connect the negative input of the detection loop to terminal 5 (negative input of the detection loop). Terminal 5 has two separate connectors, one for the input loop and the other for the output loop.
- Connect the output positive on the free connector of terminal 2 with the input positive of terminal 2 of another detector or with the end of line. This allows open line detection.
- Proceed with the negative of the detection loop in the same way indicated in the previous point but with terminal 5.
- If a remote action indicator is to be installed, connect the positive of the indicator to terminal 6 and the negative to terminal 3.



TECHNICAL CHARACTERISTICS

Supply voltage:	15 ~ 35Vdc
Standby consumption:	35 µA
Alarm consumption:	70mA maximum
Power cable:	2 X 1.5 mm ²
Temperature range:	0° C to + 50° C ambient temperature.
Humidity range:	10% to 90% without condensation.
Stabilization time:	60 s
Indicators:	
Operation:	Green flashes every 4 ~ 6 s
Alarm:	Red steady
Remote alarm output:	Led type action indicator, 6Vdc
Dimensions:	Ø: 99mm
Height with base included:	46mm
Housing material:	white ABS



EN 54-5:2000