



Installation and operation manual 01_DETCO_NT011 rév A1









Finsecur 52, Rue Paul lescop 92000 Nanterre 0333-CPR-075134 DOP: 0333-CPR-075134 Item code : DETCO201 EN 54-5 CAP212 A1 R Conventional heat detector

Specifications : See 01.DETCO.NT011 Organisme Certificateur : AFNOR Certification 11, rue Francis de Pressensé F-93571 La Plaine Saint Denis Cedex Téléphone : +33(0)1.41 62 80 00 Télécopie : +33(0)1.49 17 90 00 Sites internet : www.afnor.org et www.marque-nf.com Email : certification@afaq.afnor.org

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CAP 212 Heat detector CAP 212



\rightarrow **P**RESENTATION

How the heat detector works ?

The heat detection is carried out by a thermal probe which permanently measures the room temperature. The detector analyses the temperature in 2 simultaneous ways :

- →Comparison of the room temperature at a pre-determined threshold and if this threshold is overtake, the detector moves to the alarm mode, whatever the temperature rise's speed. This is the thermostatic mode.
- →Computation of the temperature rise's speed and when the temperature rises according to a predetermined speed, the detector moves to the alarm mode. This is the rate-of-rise (ROR) mode.

The temperature probe is composed of a negative temperature coefficient (NTC) thermistor at low thermal inertia.

\rightarrow INSTALLATION

Mount the base of the detector by fixing it firmly. Connect according the enclosed wiring diagram, respecting the polarities.

In case you lay a coating such as paint near to the detector, make sure to protect it against any possible pollution.

Put the control panel into service and proceed to the recommended tests in the panel user manual. In particular, operate a detection test with an adequate device (such as a heat detector tester).

$\rightarrow O$ PERATION

In case of detection, the red indicator of the detector turns on and a signal is sent to the control panel by mean of an overconsumption of current. The red indicator is on until the reset of the panel.

Proceed to periodical tests on the detector (at least twice a year). These operations must be performed by a qualified company.

STRONG POINTS

- → EASY TO INSTALL : 1/4 TURN, THE
- INDICATOR IS MARKED 'IND'
- → CONNECTION : STAINLESS STEEL



Terminal	Name	Connection
1	-IA	- remote indicator
2	+ S	+ line output
3	+ E	+ line input
4	_	0 V
5		Not used

TECHNICAL CHARACTERISTICS

Material : moulded white ABS

Wiring base : reference S100 (item number ACCDE001) Remote indicator output : maximum 10 mA at 12 V Compliant EN 54-5 : E2 087 D0

Supply voltage	+ 8,5 V to + 30 V continuous	
Quiescent current	below 120 µA at 12 V	
Alarm current	25 mA ± 2 mA at 12 V	
Remote indicator voltage (limited at 10 mA)	15 to 30 V continuous voltage	
Thermal characteristics		
Rating (according to EN 54-5 : 2000)	A1R	
Typical implementation temperature	25°C	
Maximum implementation temperature	50°C	
Static temperature response	60°C	
Stabilization time (until the detector is operational in ROR	3 min 20 s for the temperature rise's speed equal or superior to 10°C per min.	
mode)	40 min for the temperature rise's speed inferior to 10°C per min.	