

FENWAL DETECTOR

AE90-FENIP65

Description

Heat detectors with thermal gradient compensation.

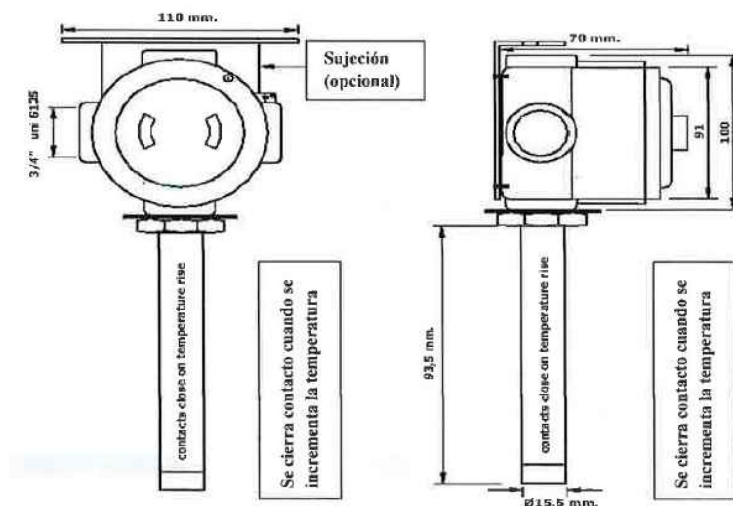
Its advanced design provides an added advantage to level heat detectors (fixed temperature alarm level) and temperature ramp alarm heat detectors.

Fenwal detectors are made up of two linked chambers. The outer chamber is made of an alloy that expands rapidly depending on the ambient temperature. The internal cell is made of an alloy with a lower expansion index. Inside this second cell are the electrical contacts.

A slow rise in temperature causes both chambers to expand equally, triggering the alarm at a certain level of heat. An increase in temperature per level lower than 4.4°C per minute causes the outer chamber to expand but the inner chamber not sufficiently to cause the alarm. If we have a rapid increase in temperature, the rapid expansion of the outer chamber results in the activation of the inner core and closure of the alarm contact, triggering the alarm or releasing the agent. The higher the rate of fire rise, the faster the sensor reacts.



Connection scheme



TECHNICAL CHARACTERISTICS

Degree of Protection:	IP65
Relative humidity:	98%
Weight:	400gr
Bimetal component:	Nilvia
Sensor material:	Steel
Case material type:	Aluminum alloy.
Bracket:	Stainless steel
Cable entries:	2x 3/4 UNF6125
Ground connections:	Internal -External

CERTIFICATIONS

The temperature sensor element is UL, FM and VdS certified.