COMPLEMENTS

Flame detector

FDINA40 / FDAAT60

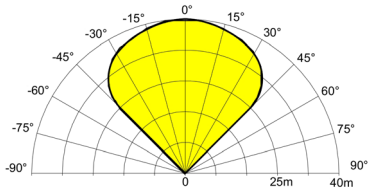
Flame detector to protect zones with open fires.

The detector is designed to respond to the flicker frequency and wavelengths characteristic of flames

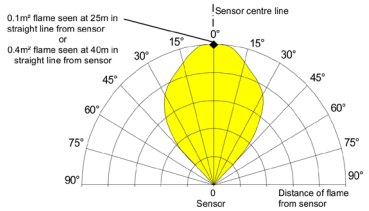
There are three types of detectors depending on the used sensors to centre in the typical specific wavelengths of the flames and generate algorithms to discriminate these flames from others lightning supplies.

- IR²: 2 IR sensors
- IR³: 3 IR sensors
- UV/IR³: 1UV sensor and 2 IR sensors.

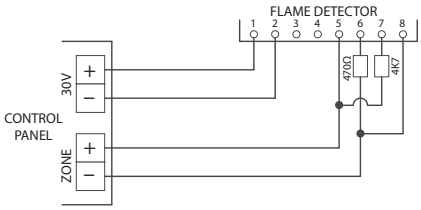
Equally, there are an ATEX and conventional version of the previous models.



Detection field for the conventional detector



Detection field for the ATEX detector



Wiring diagram

TECHNICAL FEATURES	
Supply voltage	14 - 30VCC
Alarm current options	28mA, RL1 y RL2 energized 20mA, current loop, RL1 and 2 off 9mA, RL1 energized
Alarm indicator	Red, light-emitting diode (LED)
Alarm reset time	1 second
View range	0,1m² n-heplane at 25m
Sensibility	Class 1 (EN 54-10)
View field	90° cone
Spectral response	185 at 260nm UV / IR3 1,0 - 2,7um
Operating temperature / Humidity	-10°C a +55°C (without ice or condensation) / 95% RH without condensation
IP protection	IP65 (conventional) / IP66 (ATEX)
Cover material	Die-cast Zinc alloy, blue (conventional) Copper-free aluminium, red (ATEX)
Dimensions	142x108x82mm (conventional) / 150x146x137mm (ATEX)
Weight	2kg (conventional) / 2,5kg (ATEX)