



Glossary of Terms

Term	Definition
Air shield	Device to avoid deposition of debris on a detector window of a flame detector with help of pneumatic air.
ATEX	European standard for explosion protection.
Automatic fire detector	Fire detector based on the measurement of physical fire phenomena, like emitted light, particles or heat
Cone of vision	
Detection distance	The distance between the fire source and the fire detector.
(Detection) zone	A geographical sub-division of the protected premises in which one or more points are installed and for which a common zonal indication is provided.
Detector group	A (virtual) group of detectors, monitoring a detection zone.
Detector loop	A hardware cable, on which detectors are connected.
Detector window	Transparent window of the flame detector, to enable relevant radiation of a fire to enter the flame detector
Dual IR	IR Flame detector with 2 different IR sensors
False alarm	Alarm, without a physical reason
Field of view	
Fire control panel	Equipment to centralize inputs and outputs in a fire detection installation.
Fire detection installation	
Fire size	Pan fire dimension in sqft or cm ²
Flame detector	A detector which responds to the radiation emitted by the flames from a fire.
Heat detector	A detector which responds to an increase in temperature.
Infrared flame detector	Flame detector, responding to infrared radiation of a fire.
IR flame detector	Flame detector, responding to infrared radiation of a fire.
Latching / non latching	Synonyms to self-resetting/non self-resetting. Self-resetting detector: A resettable detector which will automatically restore itself to its normal state of readiness to detect.
Manual call point	A component of a fire detection and fire alarm system which is used for the manual initiation of an alarm.
Mast mounting	
Multiband detector	a flame detector having two or more sensing elements, each responding to radiation in a distinct wavelength range and each of whose outputs may contribute to the alarm decision.
Performance requirement	
Point detector	A detector which responds to the phenomenon sensed in the vicinity of a fixed point.
Protected area	
Reset	
Sensitivity	a measure of the ability of a flame detector to detect fires
Shadow effect	The effect that the light of a light source is obstructed by objects between the light source and the observer.
Shielding	
Smoke detector	A detector sensitive to particulate products of combustion and/or pyrolysis suspended in the atmosphere (aerosols).
Square law	The law saying that the intensity of the light of a flame is inverse proportional to the square of the distance from the light source to the observer.
Test lamp	Device for functionally testing the
Triple IR flame detector	
Ultraviolet flame detector	Flame detector, responding to ultraviolet radiation of a fire.
Undesired alarm	Alarm, caused by a physical phenomenon, which is used



	to detect a fire, but nevertheless is from a "friendly fire".
UV flame detector	Flame detector, responding to ultraviolet radiation of a fire.
UV/IR flame detector	Flame detector, responding to ultraviolet and infrared radiation of a fire.
Video flame detection	Flame detection by means of a video camera and firmware.
Visual light sensor	Sensor in a flame detector, responding to visual light.
Wall mounting	Mounting of the detector to a wall.

Remark: for a part of the definitions we refer to the standard EN54 parts 1, 2 and 10.