

property	false alarm							inhibitor							fires						speed			
	Arc Welding	Static Arcs	Halogen lamps	Heat sources	Chopped heat sources	Chopped heat and Arc Welding	Direct or indirect sun light	Oil and Grease	Water and Ice	Fog and Rain	Salt layer	Hydrocarbon vapour	Chlorine based vapour	Heat sources	Chopped heat sources	Smoke	Hydrogen	Ether, Methanol	Metals	Wood, paper	Gas (Butane, Propane etc.)	Petrol, Diesel, Jet Fuel	Fastest (average)	Normal
flame detector	●	●	●	-	-	●	-	●	-	-	●	●	-	-	●	✓	✓	✓	✓	✓	✓	✓	0,01 sec	3 sec
UV	●	●	●	-	-	●	-	●	-	-	●	●	-	-	●	✓	✓	✓	✓	✓	✓	✓	1,5 sec	3 sec
IR	●	-	-	●	●	●	-	-	●	●	●	●	-	-	●	✗	✓	✗	✓	✓	✓	✓	3 sec	5 sec
IR/IR	●	-	-	-	●	●	-	-	●	●	●	●	-	-	●	✗	✓	✗	✓	✓	✓	✓	5 sec	10 sec
multi IR	-	-	-	-	●	●	-	-	●	●	●	●	-	-	●	✗	✓	✗	✓	✓	✓	✓	1 sec	3 sec
UV/IR	●	-	-	-	-	●	-	●	●	●	●	●	-	-	●	✗	✓	✗	✓	✓	✓	✓	1,5 sec	3 sec
Vis/nIR/wbIR	●	-	-	-	-	-	●	-	●	●	●	●	-	-	●	✗	✓	✓	✓	✓	✓	✓	1,5 sec	3 sec
UV/Vis/wbIR	●	-	-	-	-	●	-	●	●	●	●	●	-	-	●	✓	✓	✓	✓	✓	✓	✓	1,5 sec	3 sec
CCTV imaging	-	-	-	-	-	-	-	-	●	●	●	-	-	-	●	✗	✗	✓	✓	✓	✓	✓	5 sec	10 sec



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UV = Ultra Violet (180-260 nm)  
 IR = Infrared (4,3 micron)  
 Vis = Visible light (400-700 nm)  
 nIR = Near IR (700-1100 nm)  
 wbIR = Wide band IR (> 1100 nm)

- nil influence  
 ● little influence  
 ● much influence  
 ✗ nil detection range  
 ✓ average detection range  
 ✓ good detection range

Flame detector properties. The indications are relative, not absolute.