

Comparison Table Automatic Fire Detectors

T = Temperature detection

R = Smoke detection

F = Flame detection

more black bullets = better performance

Detector group	Detector type	Point detector	Linear detector	Beam detector	Sample system	Radiation detector	Purchase price	Cost of installation	Response time	Sensitivity	unwanted alarm resistance	Inhibitor resistance	Self-test	Maintenance friendly	Suitable for outdoor use
T	Heat detector High temp.	■	□	□	□	□	●●●●	●●●●	○○○○	○○○○	●●●●	●●●●	○○○○	○○○○	●○○○
T	Heat detector rate of rise	■	□	□	□	□	●●●●	●●●●	○○○○	○○○○	●●●●	●●●●	○○○○	○○○○	●○○○
T	Heat detector R.O.R. & High	■	□	□	□	□	●●●●	●●●●	○○○○	○○○○	●●●●	●●●●	○○○○	○○○○	●○○○
T	Linear heat detector	□	■	□	□	□	●●●●	●●●●	○○○○	○○○○	●●●●	●●●●	○○○○	○○○○	●○○○
R	Optical smoke detector	■	□	□	□	□	●●●●	●●●●	○○○○	○○○○	●●●●	●●●●	○○○○	○○○○	○○○○
R	Ionisation smoke detector	■	□	□	□	□	●●●●	●●●●	○○○○	○○○○	●●●●	●●●●	○○○○	○○○○	○○○○
R	Open path smoke detector	□	□	■	□	□	●●●●	●●●●	○○○○	○○○○	●●●●	●●●●	○○○○	○○○○	○○○○
R	Smoke sample system	□	□	□	■	□	●●●●	●●●●	○○○○	○○○○	●●●●	●●●●	○○○○	○○○○	○○○○
R	High sensitive smoke detection	□	□	□	■	□	●●●●	●●●●	○○○○	○○○○	●●●●	●●●●	○○○○	○○○○	○○○○
R	Video smoke detection	□	□	□	□	□	●●●●	●●●●	○○○○	○○○○	●●●●	●●●●	○○○○	○○○○	○○○○
F	UV flame detection	□	□	□	□	■	●●●●	●●●●	○○○○	○○○○	●●●●	●●●●	○○○○	○○○○	●○○○
F	IR flame detection	□	□	□	□	■	●●●●	●●●●	○○○○	○○○○	●●●●	●●●●	○○○○	○○○○	●○○○
F	UV/IR flame detection	□	□	□	□	■	●●●●	●●●●	○○○○	○○○○	●●●●	●●●●	○○○○	○○○○	●○○○
F	IR2 flame detection	□	□	□	□	■	●●●●	●●●●	○○○○	○○○○	●●●●	●●●●	○○○○	○○○○	●○○○
F	IR3 flame detection	□	□	□	□	■	●●●●	●●●●	○○○○	○○○○	●●●●	●●●●	○○○○	○○○○	●○○○