Conventional Fire Alarm Control System	Addressable Fire Alarm Control System
Each detector is connected to the control panel using separate parallel circuits.	The detectors are connected to the main control panel using a single wire loop.
Detectors inside a circuit cannot be distinguished from each other.	Each detector is assigned with a unique binary address.
There are 1 or more circuits.	There is only 1 circuit.
Requires several wires to connect each device.	Requires few wires as it only has 1 circuit.
Cannot pinpoint the exact location of a fire.	Can detect the exact location of a fire.
Main control panel is not programmable.	Main control panel is programmable.
Alarm signal is sent in the form of an analog electrical signal.	Alarm signal is sent in a digital binary form.
Detector's threshold cannot be programmed.	Detector's threshold can be programmed depending on the environment.
Susceptible to false alarms.	Prevents false alarms due to its programmable characteristic.
No warning feature for potential fire hazards.	Monitors and sends a warning for a potential fire hazard in a specific location.
Lacks a real-time clock chip.	Has a real-time clock chip for event log.
Overall cost is very cheap.	Overall cost is quite expensive.
Suitable for small offices or residences where an intelligent system is not necessary.	Fit for large buildings or established businesses where time is of the essence.