

Matrix A-Sprinklered

General Category	Type	Component	Manufacturer	Model	Design Notes	Required Locations or Use	Special Installation Requirements	Action
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Heat Detection - Rate of Rise		Heat Detection - Rate of Rise	Potter	PAD100-HD	Use in areas identified.	Home Economics rooms		Alarm
					Follow manufacturer and NFPA 72 spacing criteria.	Shop Areas		Alarm
						Mechanical Rooms		Alarm
						Art and Crafts Rooms		Alarm
						Science Rooms		Alarm
						Restrooms with Showers		Alarm
						Elevator Shafts (when required by code)		Alarm
						Crawl spaces used for storage		Alarm
						Attic spaces used for storage		Alarm
						Areas not suitable for smoke detection due to use of space and not suitable for rate of rise applications due to potential large temperature fluctuations.		
	Detector Base		Potter	PAD100-6B				
	Heat Detection - Fixed Temperature		Potter	PAD100-HD	Use in areas identified.	Boiler rooms		Alarm
					Follow manufacturer and NFPA 72 spacing criteria.	Kitchens		Alarm
						Generator rooms		Alarm
						Areas exposed to sunlight (skylights)		Alarm
						Kiln Rooms		Alarm
						Areas not suitable for smoke detection due to use of space.		Alarm
	Detector Base		Potter	PAD100-6B				
	Duct Smoke Detector		Potter	PAD100-DUCT				
	Duct Smoke Sensor		Potter	PAD100-DD		In locations where required by code.		Supervisory

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		Input Modules	Potter	PAD100-SIM, PAD100-DIM, PAD100-OROI, PAD100-TRTI	Do not use miniature modules (PAD100-MIM) Dual module can be used where inputs are adjacent to each other.	Fire sprinkler water flow alarms	Per manufacturer and NEC requirements	Alarm
					Combination relay/input modules can be used where control points and inputs are adjacent to each other.	Fire sprinkler supervisory valve switches		Supervisory
						Fire sprinkler supervisory pressure switches Kitchen hood fire suppression systems Beam smoke detectors		Supervisory Alarm Alarm
						Supervisor power for elevator shunt trip		Supervisory
						For monitoring dry contacts of any other system or device that is required to be monitored and is not-addressable.		Various
		Output Modules	Potter	PAD100-RM, PAD100-OROI, PAD100-TRTI	Provide with isolation relay for shutdown connections.	HVAC shutdown	Per manufacturer and NEC requirements	
					Combination relay/input modules can be used where			

