

Pertronic F100 and F120 Alarm Sensitivity Levels with System Sensor Detectors

Detector TYPE	F100 Sensitivity LEVEL	ALARM Obscuration %m or Temperature	F120 Sensitivity LEVEL	ALARM Obscuration %m or Temperature
Photo (2251BPI)	1		1	4.3% <sub>m</sub>
		5.5% <sub>m</sub>	0	6.2% <sub>m</sub>
	2	6.7% <sub>m</sub>	-1	7.2% <sub>m</sub>
	3	8.2% <sub>m</sub>	-2	8.9% <sub>m</sub>
Ion* (1251BPI)	1		1	73 MIC (pA)
		64.5 MIC (pA)	0	64.5 MIC (pA)
	2	59 MIC (pA)	-1	59 MIC (pA)
	3	56.5 MIC (pA)	-2	56.5 MIC (pA)
			-3	49 MIC (pA)
Thermal Fixed (5251BPI)	1	63°C	1	58°C
	2	70°C	0 ~ blue	63°C
	3	78°C	-1 ~ yellow	80°C
	4*	85°C	-2 ~ green	87°C
Thermal: ROR (5251RBPI)	1	63°C	1	58°C
	2	70°C	0 ~ blue	63°C
	3	78°C	-1 ~ yellow	80°C
	4*	85°C	-2 ~ green	87°C
Beam (6500S / 6200)	1	Detector can be internally set between 25% to 50% obscuration. Set in Detector	-1	Detector can be internally set between 25% to 50% obscuration. Set in Detector
Acclimate (2251TMBPI)	1	3.3% <sub>m</sub>	+1	3.3% <sub>m</sub>
	2	3.3 – 6.6% <sub>m</sub>	0	3.3 – 6.6% <sub>m</sub>
	3	6.6% <sub>m</sub>	-1	6.6% <sub>m</sub>
	4	6.6 – 11.5% <sub>m</sub>	-2	6.6 – 11.5% <sub>m</sub>
	5	11.5% <sub>m</sub>	-3	11.5% <sub>m</sub>
	6	63°C	-4	63°C
COPTIR (2251CTLE)	1	3.3% <sub>m</sub>	1	3.3% <sub>m</sub>
	2	6.6% <sub>m</sub>	0	6.6% <sub>m</sub>
PTIR (2251TLE)	3	9.8% <sub>m</sub>	-1	9.8% <sub>m</sub>
	4	9.8% <sub>m</sub>	-2	9.8% <sub>m</sub>
PTIR	5	9.8% <sub>m</sub>	-3	9.8% <sub>m</sub>
COPTIR	5	13.1% <sub>m</sub>	-3	13.1% <sub>m</sub>
	6	60°C	-4	60°C
Laser Pinnacle (7251)	1	0.06% <sub>m</sub>	3	0.06% <sub>m</sub>
	2	0.10% <sub>m</sub>	2	0.10% <sub>m</sub>
	3	0.16% <sub>m</sub>	1	0.16% <sub>m</sub>
	4	0.33% <sub>m</sub>	0	0.33% <sub>m</sub>
	5	0.66% <sub>m</sub>	-1	0.66% <sub>m</sub>
	6	1.65% <sub>m</sub>	-2	1.65% <sub>m</sub>
	7	3.24% <sub>m</sub>	-3	3.24% <sub>m</sub>
	8	4.85% <sub>m</sub>	-4	4.85% <sub>m</sub>
	9	6.41% <sub>m</sub>	-5	6.41% <sub>m</sub>

\*MIC (pA) is a number that represents the sensitivity of an Ionisation smoke detector. The higher the number, the more sensitive the detector is to products of combustion.