XP95 Optical Smoke Detector

Part No.	55000-600APO
Manufacturer	Apollo


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Summary
The XP95 Optical Smoke Detector uses the light scatter principle to quickly and effectively detect a range of slow burning and smouldering fires. Reliable fire detection in areas with a wide temperature range from -20°C to +60°C Ideal for escape routes Unaffected by wind and atmospheric pressure

Specifications

Manufacturer approvals / certifications	CPR	Manufacturer approvals / certifications	KRS	Manufacturer approvals / certifications	LPCB
Alarm level analogue value	55	Analogue value	25 +7/-7	Battery powered	No
Chamber type	Chevron	Effect of wind speed	None	Humidity	0% to 95% (no condensation or icing)
Humidity (max)	95%, RH	Humidity (min)	0%, RH	Humidity Note	no condensation or icing
Maximum power-up time	4 seconds	Operating temperature (max)	60°C	Operating temperature (max)	140°F
Operating temperature (min)	-20°C	Operating temperature (min)	-4°F	Polarity	L1 &, L2 are polarity insensitive
Power-up surge current	1mA	Protocol voltage	5 to 9V peak to peak	Protocol voltage (max)	9V
Protocol voltage (min)	5V	Sampling frequency	Once per second	Status indicator – Alarm	Red
Status indicator – Fault	Off	Storage temperature	-30 to 80°C	Storage temperature (max)	80°C
Storage temperature (min)	-30°C	Supply voltage (Vmin-Vmax)	17 to 28V dc	Supply voltage (max)	28V dc
Supply voltage (min)	17V dc	Terminal functions +R	+R, Remote indicator positive connection	Terminal functions -R	-R, Remote indicator negative connection
Terminal functions L1 in	-L1 in Loop in & out, double terminal	Terminal functions L2	+L2 Loop in & out positive, double terminal	analogue value negative tolerance	7
analogue value nominal	25	analogue value positive tolerance	7	applications	Escape routes, Hotels, Offices, Restaurants, Retail, Medium to large buildings, Bedrooms
colour	White	detection principle	Photo-electric light scattering.	fire type	Slow burning, smouldering fires
materials housing	Polycarbonate	materials terminals	Nickel plated stainless steel	operating temperature	-20 to 60°C
operating temperature	-4 to 140°F	quiescent current	340µA	sensor configuration	Horizontal optical bench housing infra-red emitter and sensor, arranged radially to detect forward scattered light.
standards	EN 54-7	warranty	10 year	Dimensions — diameter	100mm
Dimensions — diameter	3.94in	Dimensions — length	42mm	Dimensions — length	1.65in
Weight —	105g				