Fire

DATA SHEET

Analogue Sensors

CAP320 / CAH330 / CAPT340

MAP820 / MAOH850 / MAH830

FXN723 / FXN722 / FXN725

COOPER

MENVIER

Jsb

Cooper offers a comprehensive range of analogue sensors that are compatible with: Cooper, Menvier and JSB addressable control panels.

The sensors in this range are suitable for most applications giving a fastest response to slow burning or smouldering fires which give rise to large visible smoke particles. The new improved designs have dual PCB connectivity, are LPCB approved and CE marked.

Benefits and Features

> 360º degrees visual LED

> CPD and third party approved to latest EN54 Pt 5 & Pt 7 and EN54 pt 17

> Soft addressing

> Built in short circuit isolator

> Chamber monitoring on all the opto & opto heat sensors

> Drift compensation on all the opto & opto heat sensors

> Removable sensor chamber for cleaning

> Suitable for installation in ducts

> Compatible with all Cooper latest addressable panels

> Facility to pulse the LED during normal sensor operation

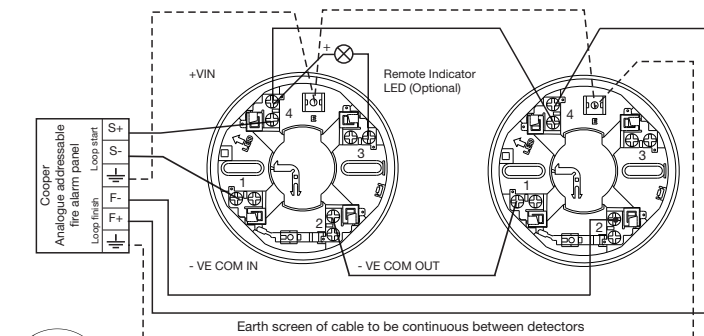# Technical Specifications

Model	CAP320 / MAP820 / FXN723	CAPT340 / MAOH850 / FXN722	CAH330 / MAH830 / FXN725
Description	Analogue sensor -	Analogue sensor - photo-themal	Analogue sensor - heat
CPD approval	0832CPD0177	0832CPD0175	0832CPD0174
Standards	EN54: Pt7; 2000 + A1:2002	EN54: Pt7; 2000 + A1:2002 EN54: Pt5; 2000 + A1:2002	EN54: Pt5; 2000 + A1:2002
Area coverage	100m² (subject to local standard)		50m² (subject to local standard)
System wiring	Min. 1.5mm², 2 core loop or spur		
Indication	360° visibility light pipe		
Mounting base	CAB300, MAB800, FXN720		
Addressing mode	auto address		
Operating voltage	18 to 30 V dc		
Max standby current	220µA		
Max alarm current	5mA		
Heat class			
Rate of rise	NA	A2S	A1R
Fixed 60ºC	NA	NA	BS
Fixed 90ºC	NA	NA	CS
Alarm temperature (static)			
AIR	NA	60ºC	60ºC
BS	NA	NA	77ºC
CS	NA	NA	90ºC
Environmental	IP40. -20°C to 60°C 0 to 95% (non condensing)	IP40. -20°C to 50°C 0 to 95% (non condensing)	IP40. -20°C to 60°C 0 to 95% (non condensing)
Physical			
Construction	ABS		
Colour	White		
Dimensions			
Excluding base (Dia x H)	101mm x 33mm	101mm x 43mm	101mm x 43mm
Including base (Dia x H)	104mm x 45mm	104mm x 55mm	104mm x 55mm
Weight - excluding base	76g		
Compatibility	Analogue panels		

Wiring Diagram - Standard Analogue Base

Attention: If using the outer connection on terminal 2, ensure the operation of the switch is not impeded and that there no shorts between terminal 2 and the switch contact.

Ensure that the cable does not short onto the contact

Product Codes

Analogue optical sensor	CAP320 / MAP820 / FXN723
Analogue photo-themal sensor	CAPT340 / MAOH850 / FXN722
Analogue heat sensor	CAH330 / MAH830 / FXN725
Analogue standard base	CAB300 / MAB800 / FXN720