

Fire



DATA
SHEET

Conventional Detectors

CPD321 / CPT341 / CFR330 / CMT360

CHT390 / MPD821 / MPT951/

MFR830 / MMT860 / MHT890 / FXN533

FXN632 / FXN525 / FXN524 / FXN526

COOPER

Cooper offers a comprehensive range of conventional detectors that are compatible with Cooper, Menvier and JSB conventional control panels.

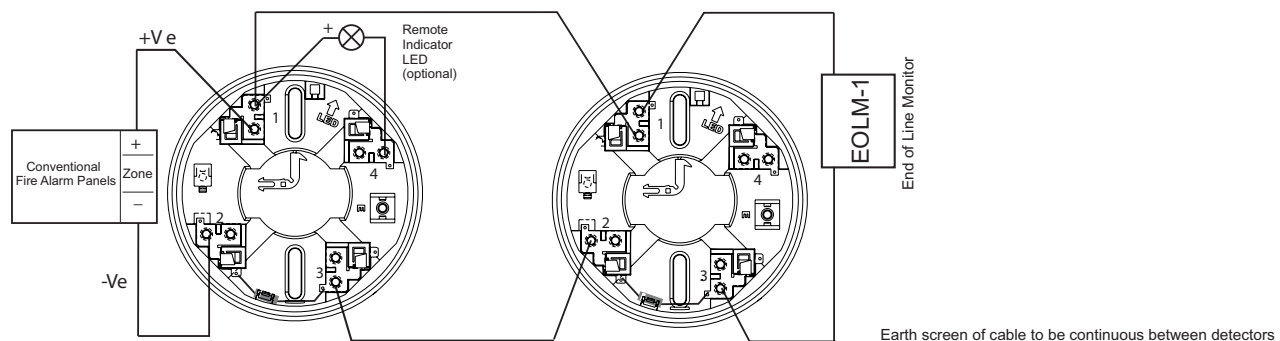
Benefits and Features

- > LPCB 3rd party approved / CPD approved
- > Low profile design
- > 360° viewable LED design
- > Removable detector chamber for cleaning
- > Common mounting base
- > New enhanced detectors feature dual LEDs,
- > Drift compensation and chamber monitoring (Optical & Photo-Thermal)



Model	CPD321 / MPD821 FXN533	CPT341 / MPT951 FXN632	CFR330 / MFR830 FXN525	CMT360 / MMT860 FXN524	CHT390 / MHT890 FXN526
Description	Optical detector	Photo-thermal detector	Heat detector (fast)	Heat detector (med)	Heat detector (high)
CPD approved product	0832CPD0633	0832CPD0629	0832CPD0233	0832CPD0236	0832CPD0237
Standards	EN54: Pt 7; 2000 + A1 2002	EN54: Pt 7; 2000 + A1 2002 EN54 Pt 5; 2000 + A1 2002	EN54: Pt 5; 2000 + A1 2002 + A1 2002		
Area coverage	100m² (subject to local standard)		50m² (subject to local standard)		
System wiring	2 core				
Indication	360° visibility light pipe				
Mounting	Surface mount CDBB300, FXN520 base				
Detetion Mode	light scatter principle	light scatter principle heat sensitive element	heat sensitive element		
Operating voltage	15 to 30 V dc				
Max stand by current	30µA				
Max Start up current	340µA	340µA	NA		
Max alarm current	25mA				
Heat class	NA	A2S	A2R	BS	CS
Alarm temperature	NA	60°C	60°C	77°C	92°C
Environmental					
IP rating	IP40				
Operating temperature	-20°C to 60°C	-20°C to 45°C	-20°C to 60°C	-20°C to 60°C	-20°C to 75°C
Humidity	0 to 95% non condensing				
EMC	CE marked				
Physical					
Construction	ABS				
Colour	White				
Dimensions					
Excluding base (Dia x H)	100mm x 43mm				
Including base (Dia x H)	100mm x 45mm	101mm x 55mm			
Compatibility	Conventional fire systems				

Wiring Diagram - Standard Conventional Base



Product Codes

Conventional optical detector	CPD321 / MPD821 / FXN533
Conventional photo-thermal detector	CPT341 / MPT951 / FXN632
Conventional heat detector (Fast)	CFR330 / MFR830 / FXN525
Conventional heat detector (Med)	CMT360 / MMT860 / FXN524
Conventional heat detector (High)	CHT390 / MHT890 / FXN526
Conventional mounting base	CDBB300 / FXN520