Fire

DATA SHEET

Conventional Control Panels
FX2200CF / FX2200

COOPER

The FX2200CF and FX2200 range of conventional control panels provide a simple yet effective installer and end user conventional fire detection system solution.

Available as 2, 4 and 8-zone panels, with the 8-zone panel being configured for the provision of a repeater panel output as well as two additional alarm line outputs.

Benefits and Features

> BOSEC 3rd party approved to latest: EN54-2 1997, A1: 2006, EN54-4 1997, A1: 2002 and A2: 2006

> Choice of 2, 4 and 8-zone panels

> Single 12V dc battery requirement for 24-hour standby

> Single keypad access code for end user and engineer use

> Selectable fire/fault relay

> Class change facility

> Supports up to 32 detectors on each zone

> Simple 'one shot' end user test facility

> Custom configured versions available of 2 and 4 zone panel

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Technical Specifications

Model	FX2202CF / FX2202	FX2204CF / FX2204	FX2208CF / FX2208
Description	2 Zone conventional panel	4 Zone conventional panel	8 Zone conventional panel
Standards	EN54-2 1997, A1: 2006 EN54-4 1997, A1: 2002 & A2: 2006		
Number of zones	2	4	8
Detectors per zone	32		
Alarm circuit load	150mA per circuit 0.3A total	400mA per circuit 0.8A total	500mA per circuit 2A total
End of line devices	Detection circuits: EOLM1 monitoring unit. Alarm lines: 6.8K resistor		
Auxiliary fire signal / fault output	5A 24V dc single pole changeover contacts		
Auxiliary dc output	24V dc fused. 30mA		
Mains input voltage	230V AC −10% +15%		
System operating voltage	24V dc		
Standby duration	24 hours		
Battery (sealed lead acid)	1 x 3.2 Ah		2 x 3.2 Ah
Recharge period	24 hours		
Cable entries	Top: 12 x 20mm entries with blanking plugs, rear cable entry aperture		
Environmental rating	IP30. -5°C to +40°C humidity 75% max (non condensing)		
Physical			
Construction	Polycarbonate housing & back box		
Dimensions (W x H x D)	332mm x 270mm x 90mm		
Compatibility	Full range of compatible accessories available		

Product Codes

2 Zone conventional control panel	FX2202CF / FX2202
4 Zone conventional control panel	FX2204CF / FX2204
8 Zone conventional control panel	FX2208CF / FX2208
Recessing back box	Fx22003300MB

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Conventional Detectors

CPD321 / CPT341 / CFR330 / CMT360

CHT390 / MPD821 / MPT951/

MFR830 / MMT860 / MHT890 / FXN533

FXN632 / FXN525 / FXN524 / FXN526

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)

Technical Specifications

Model	CPD321 / MPD821 FXN533	CPT341 / MPT951 FXN632	CFR330 / MFR830 FXN525	CMT360 / MMT860 FXN524	CHT390 / MHT890 FXN526
Description	Optical detector	Photo-themal 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

Earth screen of cable to be continuous between detectors
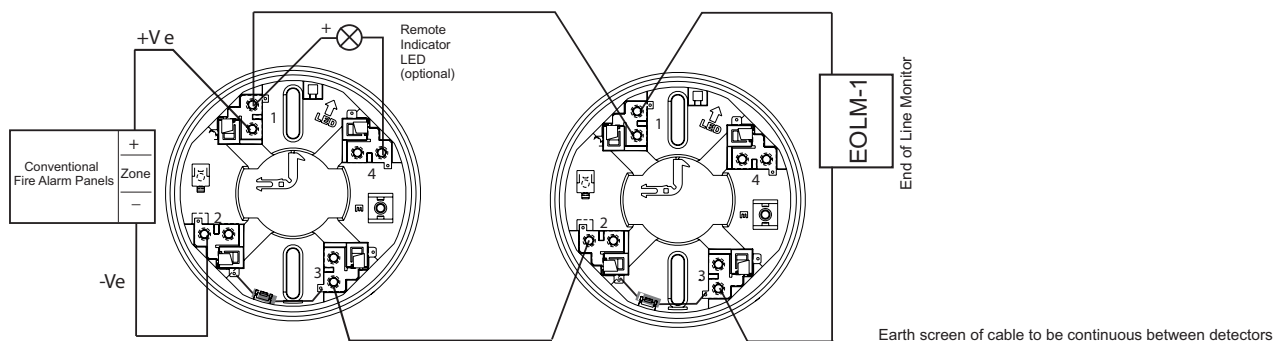
Product Codes

Conventional optical detector	CPD321 / MPD821 / FXN533
Conventional photo-themal 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

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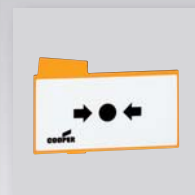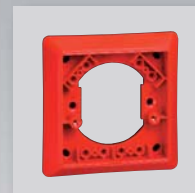
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Conventional Callpoints

CX201 / CX203

MBG914 / MBG917

FX201

COOPER

Conventional callpoints are available as both surface / flush and weatherproof versions and are approved to EN54: Pt 13.

Benefits and Features

> Approved to EN54: Pt 11

> Convenient clip fixed front cover

> One key for test and cover removal

> Available as surface / flush and weatherproof (IP65)

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Technical Specifications

Model	CX201 / MBG914 / FX201	CX203 / MBG917 / FX203
Description	Conventional callpoint	Conventional callpoint - weatherproof
CPD Approval	0832CPD084	0832CPD085
Configuration	CX201 / FX201 and CX203 / FX203 Series resistor 680Ω. MBG914 and MBG917 Series resistor 470Ω	
Rating	24V dc	
Connection	4-way terminal block	
Operating method	Glass element with safety film	
Test facility	Unique key	
Enviromental	IP42. -10°C to +55°C	IP66. -25°C to +55°C
Physical		
Construction	ABS	
Dimensions (W x H x D)	86mm x 86mm x 20mm(S) 53mm(F)	110mm x 110mm x 65mm
Weight	0.19kg	0.29kg

Wiring Diagram - CX201 / FX201 / CX203 / FX203

680 ohm → 680 ohm
common → common
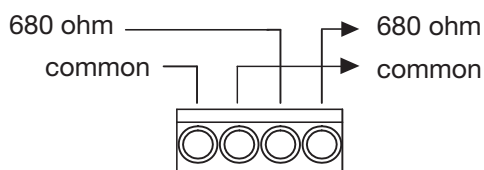
Wiring Diagram - MBG914 / MBG917

4V7 → 4V7
470 ohm → 470 ohm
common → common
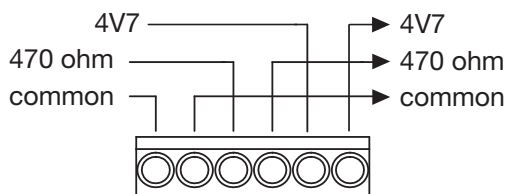
Product Codes

Conventional callpoint, surface/flush mounting	CX201 / MBG914 / FX201
Conventional callpoint, surface mounting, weatherproof	CX203 / MBG917 / FX203
Accessories	
Callpoint test keys - pack of 10	MFBGKEY3
Resettable plastic elements - pack of 10	MBGREKIT
Polycarbonate front cover £5.93	CXCP / MBGHCC
Spare glasses - pack of 5	MBG118 / FX5G
Spare earth continuity links - pack of 5	MBG119
Mounting bezels - pack of 10	MBGBEZ
Spacer plates - pack of 10	MBGSP

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Conventional Sounders
CS200W / CS200R

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The CS200W amd CS200R are simple yet high performance sounders.

Benefits and Features

> 32 alarm tones

> Clip fit base

> 12V or 24V operation

> Lockable base

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Technical Specifications

Model	CS200W / CS200R
Description	Conventional Sounder, white / red
Operating voltage	10 to 28V dc
Current consumption	16mA at 24V dc
Sound output	100dB(A) at 24V dc
Tones	32
Volume control	20dB(A) range
Environmental rating	IP21C. -10°C to +55°C
Physical	
Construction	ABS
Colour	Red or white
Dimensions (Dia x D)	112mm x 30mm
Weight	0.24kg
Compatibility	Conventional fire systems

Product Codes

Conventional sounder - white	CS200W
Conventional sounder - red	CS200R

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