

1-14 zone conventional fire alarm control panels and ancillaries



DURABLE, RELIABLE, AFFORDABLE.



fp range

of 1-14 ZONE CONVENTIONAL FIRE ALARM CONTROL PANELS

C-TEC's FP Range of conventional fire alarm control panels is one of the most robust and cost-effective available. Fully compliant with



BS 5839 part 4, the range encompasses no less than ten different variants, covering 1 to 14 zones.

The size, durability and flexibility of the range makes it ideal for use in all types of commercial and residential property including small shops, factories, schools, warehouses, offices and houses in multiple occupation.

Often referred to as 'the installer's choice', easy-to-follow wiring instructions are printed adjacent to the terminals of all variants and a lift-off lid guarantees an easy first fix and straightforward maintenance.

The panel's broad compatibility with virtually all known smoke and heat detector ranges and its ability to interpret a short circuit in any zone(s) as a fire or fault condition make it particularly useful for retro-installations.

An optional head removal facility (which utilises C-TEC's BF378 range of end-of-line monitoring units) is also available, making the FP fully compliant with the head removal requirements of BS 5839 part 1.



FP Range Features

- —— Fully compliant with BS 5839 Part 4
- —— Lift-off lid for easy first fix and maintenance
- —— Attractive easy-to-clean polycarbonate front label
- —— Heavy-duty base connections
- —— Robust metal lid and metal back box
- Built-in 24V power supply and battery charger
- Optional head removal facility for compliance with BS 5839 Part 1
- Compatibility with virtually all known conventional smoke and heat detector ranges
- True three wire operation of sounder and detector circuits (Ov is common) for considerable cost savings on installation
- Separate indicators for open and short circuit fault, sounder fault and battery/power supply fault
- Non-latching 'class change' sounder input, latching fire and non-latching fault outputs (available via optional expansion loom)
- Fault buzzer mute facility
- Space available for the rated capacity of VRLA batteries
- Short circuit = fire facility (pre-1980 BS, no resistors in call points), selectable on a zone by zone basis for retro-installations
- True battery monitoring circuit
- One man walk test and zone isolate facility (not available on EFP1)
- Ancillary connections for repeater panels and other system add- including fault relay modules, fire relay modules, sounder delay relay modules, sounder extender kits, etc (not available on EFP1)
- Easy to follow installation instructions and log book
- Multilingual variants available (subject to quantities)

Events Supply Specification EP3 P24, P24 P24, P24, P24, P24 P24, P24, P24, P24 P24, P24, P24, P24, P24, P24, P24, P24,		FED4			
International providing 229 et al. 954-000 Hz	Power Supply Specification	EFP1	FP2, FP2E	FP4, FP6, FP8E	FP8, FP10, FP12, FP14
International processing in the first one of the second of the	Mains sunnly voltage	230V a c + 10% 50/60 Hz	230V/ a c + 10% 50/60 Hz	230V a c + 10% 50/60 Hz	230V a c + 10% 50/60 Hz
Edit displanament finitest in Addres 280 Vis. 14.44-820 Vis. Vis	Internal power supply	27V d.c. nominal	27V d c nominal	27V d c nominal	27V d c nominal
Spapp and tatting yanger monotones for hume Yes Yes Yes Yes Yes Detector Circuit Specification 1 (5P1, non-setundabl) 2 (3P2, non-standabl) 4 (P4, non-standabl) 1 (5P1, setundabl) 1 (5P1, setundabl	Total output current limited to	400mA @ 230 V a.c.	800mA @ 230 V a.c.	1.4A @ 230 V a.c.	3A @ 230 V a.c.
Bit fields Wes Wes Wes Wes Wes Detector Carcolis \$5000000000000000000000000000000000000	Supply and battery charger monitored for failure	Yes	Yes	Yes	Yes
Detector Circuit Specification 1 (5FP), non-outerable() 2 (FP2, non-outerable() 4 (FP4, extendable to 0) 6 (FP8, extendable to 1) 6	Batteries monitored for disconnection and failure	Yes	Yes	Yes	Yes
Detection Linear Spectration It (JPP, non-estendable) QPPL non-estendable) QPPL non-estendable) QPPL non-estendable Tell (JPPL non-estendable) Tell (JPPL non-estendable) <thtell (jppl="" non-estendable)<="" th=""> Tell (JPPL non-este</thtell>		1	·	I	
Number of strauis 1 (SPP), non-extendable) 2 (PP, con-extendable) 4 (PP, stratdable to 1) 3 (PP, stratdable to 1) 3 (PP, stratdable to 1) 1 (PP, stratdable to	Detector Circuit Specification	1	1	1	
4 (PPL, non-extendable) 6 (PR, non-extendable) 10 (PR), extendable in 10 (10 (PR), extendable in 10 (12 (PR), extendable in 10	Number of circuits	1 (EFP1, non-extendable)	2 (FP2, non-extendable)	4 (FP4, extendable to 6)	8 (FP8, extendable to 14)
Bits Pipe, non-extended or Pipe, non-extended or International for open and short draut faults Yes			4 (FP4E, non-extendable)	6 (FP6, non-extendable)	10 (FP10, extendable to 14)
Connector block Import, Indexemblancy Leen connector for prime and short dream frameword tashs. Yes				8 (FP8E, non-extendable)	12 (FP12, extendable to 14)
Intermediate Image: The intermediate intermedinte intermediate interm	Connector blocks	Lo	avv duty Niglon type Jargest	 accontable conductor size 2.5m	14 (FP14, non-extendable) m^2
International for head autilisentor removed faults Wes. If applicably first and a function of the Mediation putty for tapplicably first in place of end of time resistor find of time resistor walls (supplicably) Wes. If applicably first in the Mediation putty for tapplicably first in Mediation putty for tapplicably first per zone Mediation putty for tapplicably first	Line monitored for open and short circuit faults	Yes	Yes	Yes	Yes
End of line resider value (supplied) 6600 2 9% 100 22 W 6600 2 9% 100 22 W 6600 2 9% 100 22 W Detector controlly dioles Silicon 144000 or Shrbitty yee (supplied) 470 - 660 2 0 5 W	Line monitored for head out/detector removed faults	Yes - if optional BF378 or B	F378M End of Line Monitoring	g unit (not supplied) is fitted in	place of end of line resistor
Detector centrality globels Silicon 114/001 or Schrifting type (required if 1973) for 18730K for of ULINK) Call point resider value (not uspelled) 410 - 680 0.05 W 410 - 58 W 6800 0.05 W 410 - 58 W 6800 0.05 W 410 - 58 W 6800 0.05 W 410 - 50 W 4800 0.05 W 410 - 50 W	End of line resistor value (supplied)	6800 Ω 5% Tol. 0.25W	6800 Ω 5% Tol. 0.25 W	6800 Ω 5% Tol. 0.25 W	6800 Ω 5% Tol. 0.25 W
Initial to a treasitor value (not supplied) 170 - 680 0.0 SW 470 - 680 0.0 SW	Detector continuity diodes	Silicon 1N400	1 or Schottky type (required if	BF378 or BF378M End of Line	Monitoring Unit
Call point resistor value (not supplied) 470 - 680 0.0 S.W 470 -			is fitted to show I	nead out faults)	
Max. number of actication per zone All prax. detector arrant 2nol. Zul prax. d	Call point resistor value (not supplied)	470 - 680 Ω 0.5 W	470 - 680 Ω 0.5 W	470 - 680 Ω 0.5 W	470 - 680 Ω 0.5 W
Note: Notimit Notimit Notimit Notimit Notimit Notimit Sounder Circuit Specification 2 2 2 2 Connector blocks Heavy duty Nighen-type, larged acoptable conductors 22.5mm ² 4000 25% 10.0.28 W 40000 25% 10.0.28 W 400000 25% 10.0.28 W	Max. number of detectors per zone	20 (max detector current 2mA)	20 (max detector current 2mA)	20 (max detector current 2mA)	20 (max detector current 2mA)
Sounder Circuit Specification Number of circuits 2 2 2 2 Connector blocks Heavy duty Niglon-type, largest acceptable conductor size 2 Smm ² Hold Sm 2 Hold Sm	Max. humber of manual can points per zone			NO IIMIL	
Number of rotuits 2 2 2 2 Connector blocks Heavy duty Miglon-type, largest aceptable conducts size 25mm? 6000 25% Tot.0.25 W 6000	Sounder Circuit Specification				
Number of strains 1 2 1 2 End of the resistor value 6600 25% Tol. 0.25 W 765 755 <td>Number of circuits</td> <td>2</td> <td>) n</td> <td>))</td> <td></td>	Number of circuits	2) n))	
Band of the residur value 6800 0. 5% Tol. 0.25 W 780 Tol. 0.25 W <t< td=""><td></td><td>Z Hea</td><td>2 vv dutv Niglon-type Jargest av</td><td>2 ccentable conductor size 2 5mr</td><td>μ m²</td></t<>		Z Hea	2 vv dutv Niglon-type Jargest av	2 ccentable conductor size 2 5mr	μ m ²
Line mentioned for open and short circuit faults Vis Vis<	End of line resistor value	6800 Ω 5% Tol. 0.25 W	6800 Ω 5% Tol. 0.25 W	6800 Ω 5% Tol. 0.25 W	6800 Ω 5% Tol. 0.25 W
Durputs fued at 1A 1A 1A 1A Max. Index of belfs at 25mA 16 32 56 120 Max. number of sounders at 25mA 16 32 56 120 Max. number of sounders at 25mA 16 32 56 120 Volt free relay contacts (artive when sounders active) na Ves. 1A 30V d. max Ves. 1A 30V d. max Ves. 1A 30V d. max Available via optional expansion looms (not supplied) Class change input, fire output and fault output and reset output wit a FPX loom Class change input, via FPX loom Fire output and fault output and reset output wit a FPX loom Sounder outputs 400mA 7 20mm 400mA 7 20mm 400mA 7 20mm 630mA 7 20mm Sounder outputs 400mA 7 20mm (F1, F2) 1A F 20mm (F2, F3) 1A F 20mm (F2, F3) 1A F 20mm (F4) Auxiliary output na 1A F 20mm (F1, F2) 1A F 20mm (F1) 3A F 20mm (F1) Panel Indicators OC Fault SC Fault Core Fault Sounder Fault Sounder Fault Sounder Fault Sounder Fault Sounder Sounders Sounders Sounder Sounders Sounder Sounders Sounde	Line monitored for open and short circuit faults	Yes	Yes	Yes	Yes
Max. Include of bolis 1 Z5mA 10 32 56 120 Max. number of bolis 1 Z5mA 10 32 56 120 Max. number of sounders at 20mA 20 40 70 150 Max. number of sounders at 20mA 20 40 70 150 Max. number of sounders at 20mA 20 40 70 150 Auxiliary Inputs / Oulputs Nave 125 130V d.c. max Yes, 1A 30V d.c. max Yes, 1A 30V d.c. max Auxiliary Inputs / Oulputs Max. number of sounders at 20mA 125 140 125 Maxiliary Inputs / Oulputs Class change input. free output and fault output and reset output is at PX loom. Self contained fire, fault & sounder delay relay modules are also available (1 per panel instead of FPX loom) 200mA 1 20mm 120mm Sounder outputs 400mA 7 20mm (F); (2) 1A F 20mm (F) 1A F 20mm (F) 1A F 20mm (F) Mains terminal block 125mA 1 20mm (F); (2) 1A F 20mm (F) 1A F 20mm (F) 1A F 20mm (F) Sounder output n/a 1A F 20mm (F) 1A F 20mm (F) 1A F 20mm (F) 1A F 20mm (F) Sounders toutput	Outputs fused at	400mA	1A	1A	1.6A
Max. number of bells at 28mA 16 32 56 120 Wax. number of bells at 28mA 20 40 70 150 Violt free relay contacts (active when sounders active) n/a Yes, 1A 30V d.c. max Yes, 1A 30V d.c. max Yes, 1A 30V d.c. max Auxiliary Inputs / Outputs Auxiliary Inputs / Outputs Class change input, free output and fault output via EFPX loom Class change input, via FPX loom. Self-contained fire, fault as output dealery relay modules are also available (1 per panel instead of FPX loom) FUSES (to IEC - EN60127 Pt2) Mains terminal block 125mA T 20mm 20mA 1 20mm 400mA 7 20mm (5, 12) 1AF 20mm (7, 2) 1AF 20mm (7, 2)<	Max. total output current to all outputs	400mA	800mA	1.4A	3A
Max. number of sounders at 20mA 20 40 70 150 Volt free relay contacts (active when sounders active) n/a Yes, 1A 30V d.c. max Yes, 1A 30V d.c. max Yes, 1A 30V d.c. max Auxiliary Inputs / Outputs Auxiliary Inputs / Outputs Image: Sounders active) N/a Yes, 1A 30V d.c. max Yes, 1A 30V d.c. max Yes, 1A 30V d.c. max Auxiliary Inputs / Outputs Class change input, free output and fault output via EPX loom. Class change input, via PX loom. Self-contained fire, fault & sounder delay relay modules are also available (1 per panel instead of FPX loom) Fuses (to IEC - EN60127 Pt2) Mains terminal block 125mA T 20mm 200mA T 20mm 400mA T 20mm 630mA T 20mm Sounder outputs 400mA F 20mm (F, F2) IA F 20mm (F1) 1A F 20mm (F2, F3) 1A F 20mm (F2, F3) 1A F 20mm (F2) Auxiliary output IA F 20mm (F1) 1A F 20	Max. number of bells at 25mA	16	32	56	120
Volt free relay contacts (active when sounders active) na Yes, 1A 30V d.c. max Yes, 1A 30V d.c. max <	Max. number of sounders at 20mA	20	40	70	150
Auxiliary Inputs / Outputs Available via optional expansion looms (not supplied) Class change input, free output and fault output via EPK loom Class change input, via EPK loom. Self-contained fire, fault & sounder delay relay modules are also available (1 per panel instead of FPK loom) Fusce (to EC - ENA0127 Pt2) Mains terminal block 125mA T 20mm 200mA T 20mm 400mA T 20mm 630mA T 20mm Sounder outputs 400mA F 20mm (1, 12) 1A F 20mm (72, 13) 1.0AF 20mm (72, 13) 1.0AF 20mm (72, 13) Battery fuse 1A F 20mm (73) 1.6AF 20mm (71) 3A F 20mm (72, 13) 1.0AF 20mm (72, 13) Panel Indicators Internal Indicators OC Fault: SC Fault OC Fault: SC Fault Sounders: Stence Alarm Foult Revert to short circuit = fire Revert to short circuit = fire Revert to short circuit = fire Sounders: Internal Indicators 0/C Fault: SC Fault SOIL Fault: SC Fault Sounders SOIL Fault: SC Fault SOIL Fault: SO Fault Internal Indicators 0/C Fault: SC Fault O/C Fault: SC Fault SOIL Fault: SC Fault SOIL Fault: SC Fault Internal Indicators 0/C Fault: SC Fault O/C Fault: SC Fault SOIL Fault: SC Fault SOIL Fault: SC Fault SOIL Fault: SC Fault </td <td>Volt free relay contacts (active when sounders active)</td> <td>n/a</td> <td>Yes, 1A 30V d.c. max</td> <td>Yes, 1A 30V d.c. max</td> <td>Yes, 1A 30V d.c. max</td>	Volt free relay contacts (active when sounders active)	n/a	Yes, 1A 30V d.c. max	Yes, 1A 30V d.c. max	Yes, 1A 30V d.c. max
Available via optional expansion looms (not supplied) Class change input, frie output and fault output via EPX loom. Class change input, zone 1 & zone 2 fire outputs, fault output and reset output via EPX loom. FUSES (to IEC - ENAO127 PI2) Mains terminal block 125mA T 20mm 200mA T 20mm 400mA T 20mm 630mA T 20mm Mains terminal block 125mA T 20mm (F1, F2) 1A F 20mm (F2, F3) 1.6A F 20mm (F2, F3) 1.6A F 20mm (F2, F3) Auxiliary output n/a 1A F 20mm (F2) 1A F 20mm (F2) 1A F 20mm (F2, F3) Battery fuse 1A F 20mm (F3) 1.6A F 20mm (F1) 3A F 20mm (F1) Panel Indicators and Controls Mains On: Zone Fire: Zone Fault: Sounder Fault: BatteryPower Supply Fault No F 20mm (F1) External indicators OUC Fault: SC Fault OUC Fault: SC Fault OUC Fault: SC Fault OUC sequer to short circuit = fire Reset: Histone Alarm Mault Reset: Resounders: Silence Alarm Sounders: Sounders: Evacuate Sounders: Evacuate Sounders: Silence Alarm Sounders: Internal controls Reset: Histone Alarm Sounders: Sounder Silence Alarm Sounders: Sounders: Evacuate Sounders: Evacuate Sounder Silence Alarm Sounders: Marcinal controls Resevent to short circuit = fire: One man detector test: Zone isolate	Auxiliary Inputs / Outputs				
Primate in deploting expension control (not applicit) Class drange input; free output and fault output via EPX loom. Self-contained fire, fault & sounde celay relay modules are also available (1 per panel instead of FFX loom) Fusion fire sounde celay relay modules are also available (1 per panel instead of FFX loom) Event fire sounde celay relay modules are also available (1 per panel instead of FFX loom) Fusion fire sounde celay relay modules sounder outputs 400mA f 20mm 20mm (72, F3) 14.6 F 20mm (72, F3) Mains terminal block 125mA f 20mm (F1, F2) 14.6 F 20mm (F2, F3) 14.6 F 20mm (F2, F3) Auxiling output n/a 14.6 F 20mm (F4) 14.6 F 20mm (F2, F3) Battery fuse 14.6 F 20mm (F3) 16.6 F 20mm (F1) 34.6 F 20mm (F1) Panel Indicators Mains On: Zone Fire: Zone Fault: Sounder Fault: Battery/Power Supply fault Internal indicators External indicators OIC Fault: S/C Fault OIC Fault: S/C fault: Sounder sounder sounder sounder sounder sounder sounders: Sounders: Evacuate Solence Fault sounder fault: Battery/Power Supply fault Internal controls Resert Its sounder so	Available via optional expansion looms (not supplied)	Class change input	Class change input 7	ne 1 & zone 2 fire outputs fa	ult output and reset output
Durth Via EFPX form And The Soundary Soundar		fire output and fault	via FPX loom Se	elf-contained fire fault & sound	der delav relav modules
Fuses (to IEC - EN400127 Pt2) Mains terminal block 125mA T 20mm 200mA T 20mm 400mA T 20mm 630mA T 20mm Sounder outputs 400mA F 20mm (F1, F2) 1A F 20mm (F2, F3) 1A F 20mm (F2, F3) 1.6A F 20mm (F2, F3) Auxiliary output n/a 1A F 20mm (F4) 1A F 20mm (F4) 1A F 20mm (F4) 1A F 20mm (F4) Battery fuse 1 A F 20mm (F3) 1.6A F 20mm (F4) 1A F 20mm (F4) 1A F 20mm (F4) Panel Indicators and Controls Mains On: Zone Fire: Zone Fault: Sounder Fault: Battery/Power Supply Fault OIC Fault: SC Fault O		output via EFPX loom	are also	o available (1 per panel instead	l of FPX loom)
FLSS (for LC - EXACIT2Y FI2) Mains terminal block 125mA T 20mm 200mA T 20mm 400mA T 20mm 630mA T 20mm 630mA T 20mm Mains terminal block 125mA T 20mm (F1, F2) 1A F 20mm (F2, F3) 1A F 20mm (F4) 1A F 20mm (F4) 1A F 20mm (F4) Auxiliary output n/a 1A F 20mm (F4) 1A F 20mm (F4) 1A F 20mm (F4) Battery fuse 1A F 20mm (F3) 1.6A F 20mm (F1) 3A F 20mm (F1) Panel Indicators and Controls Mains On; Zone Fire; Zone Fault; Sudner Fault; Suthery/Power Supply Fault Internal Indicators O/C Fault; SU Fault O/C Fault; SU Fault O/C Fault; SU Fault Internal Indicators O/C Fault; SU Fault O/C Fault; SU Fault O/C Fault; SU Fault Sunders; Evacuate Sulence Fault Sounders Sunders; Evacuate Internal Indicators O/C Fault; SU Fault O/C Fault; SU Fault O/C Fault; SU Fault O/C Fault; SU Fault Sunders; Evacuate Sulence Fault Sounders Sunders; Evacuate Internal Indicators O/C Fault; SU Fault O/C Fault; SU Fault O/C Fault; SU Fault Sunders; Evacuate Sulence Fault Sounders Internal Indicators O/C Fault; SU Fault O/C Fault; SU Fault Reset Resound/Fest Zone Fault; Sunders <td></td> <td></td> <td>1</td> <td></td> <td></td>			1		
Mains terminal block 125mA T 20mm 200mA T 20mm 400mA T 20mm 630mA T 20mm Sounder outputs 400mA F 20mm (F1, F2) 1 A F 20mm (F2, F3) 1 A F 20mm (F2, F3) 1.6A F 20mm (F4, F3) Battery fuse 1 A F 20mm (F3) 1.6A F 20mm (F4) 1 A F 20mm (F4) Battery fuse 1 A F 20mm (F3) 1.6A F 20mm (F1) 3.4 F 20mm (F1) Panel Indicators and Controls Mains On: Zone Fire; Zone Fault: Sounder Fault: Battery/Power Supply Fault 0/C Fault: SiC fault Sounders: Evacuate Sounders: Evacuate Internal Indicators 0/C Fault: SiC Fault 0/C Fault: SiC fault: Sounder Fault: Sounder Sice Alams Sounders: Sounders: Sounders: Evacuate Sounders: Evacuate Sounders: Evacuate Internal controls Reset: Silence Alamm/Pault Reset Resound/Fat Zone Imps; Sounders: Evacuate Sounders: Evacuate Dimensions Revert to short circuit = fire Revert to short circuit = fire; One man detector test: Zone isolate Dimensions of enclosure (W x H x D) 271 x 200 x 70mm 322 x 267 x 92mm 405 x 267 x 92mm 521 x 334 x 140mm	Fuses (to IEC - EN60127 Pt2)				
Sounder outputs 400mA F 20mm (F1, F2) 1A F 20mm (F2, F3) 1A F 20mm (F4) 1A F 20mm (F4) Auxiliary output n/a 1A F 20mm (F4) 1A F 20mm (F4) 1A F 20mm (F4) 1A F 20mm (F4) Battery fuse 1A F 20mm (F3) 1.6A F 20mm (F1) 1.6A F 20mm (F1) 3A F 20mm (F1) Panel Indicators and Controls Mains On: Zone Fire: Zone Fault: Sounder Fault: Battery/Power Supply Fault Internal Indicators O/C Fault: SC Fault O/C Fault: Sounders: Evacuate: Silence Alarm Sounders: Sou	Mains terminal block	125mA T 20mm	200mA T 20mm	400mA T 20mm	630mA T 20mm
Auxiliary output n/a TA F 20mm (F4) TA F 20mm (F4) TA F 20mm (F4) Battery fuse 1 A F 20mm (F3) 1 .6A F 20mm (F1) 1 .6A F 20mm (F1) 3 A F 20mm (F1) Panel Indicators and Controls Mains On; Zone Fire; Zone Fault; Sounder Fault; Battery/Power Supply Fault Internal Indicators O/C Fault; SC Fault Sounders; Evacuate; Silence Alarm Sounders; Internal Indicators 0/C Fault; SC Fault O/C Fault; SC fault O/C Fault; SC fault Sounders; Sounders; Evacuate Silence Alarm Sounders; Silence Alarm Sounders; Internal controls Revert to short circuit = fire Revert to short circuit = fire; One man detector test; Zone isolate Dimensions Approx. dimensions of enclosure (W x H x D) 271 x 200 x 70mm 322 x 267 x 92mm 405 x 267 x 92mm 521 x 334 x 140mm Weight (without batteries) 2.3 kg 4.3 kg 5.0 kg 9.2 kg Repeater Specification Nax. number of repeaters n/a Three repeaters per main panel. Repeaters are available with 10 or 20 zones. n/a Repeater wring n/a Three orpeaters for a sing panel. Repeaters are available with 10 or 20 zones. n/a 1.4A	Sounder outputs	400mA F 20mm (F1, F2)	1A F 20mm (F2, F3)	1A F 20mm (F2, F3)	1.6A F 20mm (F2, F3)
Battery ruse TAP 2011111 (F3) T.OA P 2011111 (F1) SA P 2011111 (F1) Panel Indicators and Controls External indicators Mains On; Zone Fire; Zone Fault; Sounder Fault; Battery/Power Supply Fault Internal indicators O/C Fault; S/C Fault O/C Fault; S/C fault; Zone Isolated; Engineer Test Selected External controls (keyswitch operated) Reset: Silence Alarm/Fault Reset/Resound/Test Zone Lamps; Evacuate: Silence Alarm Sounders; Internal controls Revert to short circuit = fire Revert to short circuit = fire; One man detector test; Zone Isolate Dimensions Approx. dimensions of enclosure (W x H x D) 271 x 200 x 70mm 322 x 267 x 92mm 405 x 267 x 92mm 521 x 334 x 140mm Weight (without batteries) 2.3 kg 4.3 kg 5.0 kg 9.2 kg Repeater Specification Nax. number of repeaters n/a Three repeaters per main panel. Repeaters are available with 10 or 20 zones. Repeater wiring n/a Five control wires plus one extra wire per zone being repeated; max cable length 200m Battery Stand-By Times 48 - - - - Quiescent current 04 A 038 0 48 0 32 26 - - - - Max load current 48 - - - - - - Stand-by time in hours using 1.2 Ahr batteries 48	Auxiliary output	n/a	1A F 20mm (F4)	1A F 20mm (F4)	1A F 20mm (F4)
Panel Indicators and Controls External indicators Mains On; Zone Fire; Zone Fault; Sounder Fault; Battery/Power Supply Fault Internal Indicators O/C Fault; S/C Fault O/C Fault; S/C fault; Zone Isolated: Engineer Test Selected External controls (keyswitch operated) Reset; Silence Alarm/Fault Reset/ Resound/Test Zone Lamps; Evacuate; Silence Alarm Sounders; Sounders; Evacuate Sounders; Evacuate Silence Fault Sounders Silence Fault Sounders Dimensions Revert to short circuit = fire Revert to short circuit = fire; One man detector test; Zone isolate Dimensions Revert to short circuit = fire Revert to short circuit = fire; One man detector test; Zone isolate Max, number of repeaters n/a Three repeaters per main panel. Repeaters are available with 10 or 20 zones. Repeater wiring n/a Three repeaters per main panel. Repeaters are available with 10 or 20 zones. Battery Stand-By Times EFP1 FP2 FP4 FP6 FP8 FP10 FP12 FP14 Quiescent current 0.4A 0.3A 0.8A 1.4A 1.4A 1.4A 3.0A 3.0A 3.0A Stand-by time in hours using 1.2 Ahr batteries 48 - - - - - <	Battery luse	TA F 20mm (F3)	1.0A F 2011111 (F1	1.0A F 20MM (F1)	3A F 20MM (F1)
External indicators Mains On: Zone Fire; Zone Fault; Sounder Fault; Battery/Power Supply Fault Internal Indicators O/C Fault; SC Fault O/C Fault; SC Fault; Cr Fault O/C Fault; SC fault; Cr Fault; SC Fault; Cr Fault; Sounders; Sounders; Sounders; Sounders; Evacuate External controls (keyswitch operated) Reset; Silence Alarm/Fault Reset/ Resound/Test Zone Lamps; Evacuate; Silence Fault Sounders; Sounders; Sounders; Evacuate Internal controls Revert to short circuit = fire Revert to short circuit = fire; One man detector test; Zone isolate Dimensions 2.3 kg 4.3 kg 5.0 kg 9.2 kg Repeater Specification 2.3 kg 4.3 kg 5.0 kg 9.2 kg Max. number of repeaters n/a Three repeaters per main panel. Repeaters are available with 10 or 20 zones. Repeater Specification Max. number of repeaters n/a Five control wires plus one extra wire per zone being repeated: max cable length 200m max cable length 200m Battery Stand-By Times 0.4A 0.8A 0.8A 1.4A 1.4A 1.4A 3.0A 3.0A Stand-by time in hours using 1.2 Ahr batteries 80 40 32 26 - - - - - - - - - -	Panel Indicators and Controls				
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Stand-by time in hours using 4.0 Air batteries - 90 12 60 55 41 36 31 28 25 Stand-by time in hours using 6.0 Ahr batteries - - - 106 88 75 64 56 50 45 Stand-by time in hours using 10.0 Ahr batteries - - - - - 121 106 94 85	Stand-by time in hours using 2.6 Ahr batteries	- 55 44	38 32	27	
Stand-by time in hours using 10.0 Ahr batteries 121 106 94 85	Stand-by time in hours using 4.0 And batteries	- 90 72	106 88	47 30 31 75 64 56	20 25 50 45

The quiescent current given is for the following conditions - mains supply failed, fault beeper muted, no aux. output connections, detector and sounder end of line devices fitted, no other loads supplied by the panel. The battery stand-by times are guidelines only based on the above conditions and a full sounder load for 30 minutes. Additional loads that increase the quiescent current in the normal state must be considered when calculating stand-by time. The fault beeper being active will add 10mA and reduced sounder loads will increase the stand-by time. Batteries in poor condition greatly reduce stand-by time.

FP range of 1-14 zone conventional

fire alarm control panels

fp range

of 1–14 zone conventional fire alarm control panels and ancillaries



FP 10 zone fire panel, extends to 14 zones

FP 12 zone fire panel, extends to 14 zones

(use to increase number of zones on FP panels)

FP 14 zone fire panel, does not extend

FP 2 zone extender PCB kit

FP 10 zone repeater panel

FP 20 zone repeater panel

FF390-2

FF392-2

FF394-2

FF396-2

FF398-2

FF387Z-2



FP Range Panels

FF380-2	EFP1 single zone fire panel, does not extend
FF382-2	FP 2 zone fire panel, does not extend
FF384-3	FP 4 zone economy fire panel, does not extend
FF384-2	FP 4 zone fire panel, extends to 6 zones
FF386-2	FP 6 zone fire panel, does not extend
FF388-3	FP 8 zone economy fire panel, does not extend
FF388-2	FP 8 zone fire panel, extends to 14 zones

FP Range Ancillaries

FF374X	FPX expansion loom (not compatible with EFP1)	BF379	Schottky diodes, 10 pack (BYV1060/SR160)
FF374FR	FP fault relay module (not compatible with EFP1)	FF502P	Four zone sounder extender kit
FF374DF	R FP fire relay module (not compatible with EFP1)	FF379	Flush bezel for use with FP2 and FP4E panels
FF374DT	FP sounder delay module (not compatible with EFP1)	FF385	Flush bezel for use with FP4, FP6, FP8E
FF380X	EFPX expansion loom (for use with EFP1 only)		and FP repeater panels
BF378	EMU end of line 'head out' monitoring unit	FF387	Flush bezel for use with FP8, FP10, FP12
BF378M	MIMIMU miniature end of line 'head out'		and FP14 panels
	monitoring unit	Note: The E	EFP1 is designed to be surface mounted only

Battery Packs

BC283/2	24V 1.2 AmpHr battery pack
BC284/2	24V 2.1 AmpHr battery pack
BC285/2	24V 2.8 AmpHr battery pack
BC286/2	24V 7.0 AmpHr battery pack

DISTRIBUTED BY

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Quality System Certificate No: 176 Assessed to ISO9001 : 1994

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