

fireline

PROTECTION



The complete conventional fire warning system

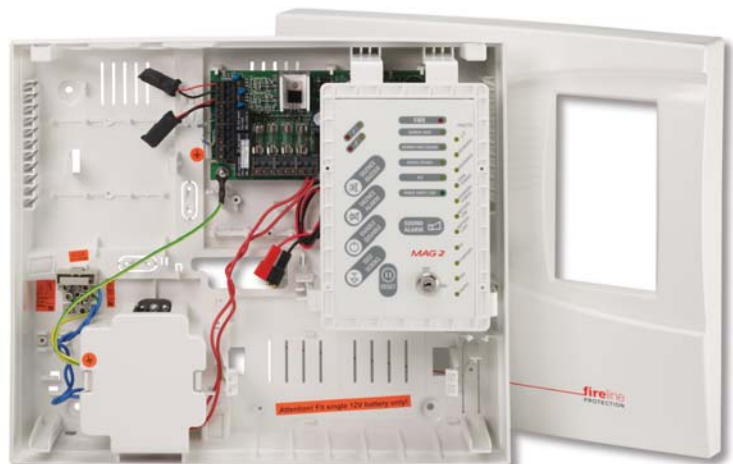
MAG2P

2 Zone Fire Panel

- 2 programmable zones
- Active end of line monitoring and head removal
- 30 fire detectors per zone
- Unlimited number of call points per zone
- Integral evacuate alarm button
- 'Class change' facility
- Enable/disable security key
- One man walk test facility
- Volt free fire change over relay
- Volt free fault change over relay
- Individual sounder circuit fault ID
- Individual zone/sounder isolate
- BS5839 and EN54 P2/4 compliant
- CE certified
- Requires only 1x12v battery
- ABS casing



INPUTS	Max detectors per zone	30
	Thresholds for zone conditions	0 - 2 mA (Fault condition) 2 - 6 mA (Normal condition) 6 - 110 mA (Fire condition) 110 mA - Short (Fault condition)
POWER	Mains fail consumption	50mA
	Mains supply	230 VAC $\pm$ 10%
	Standby supply	1 x 7ah 12V S.L.A. Battery
	Power availability	0.7 amps
OUTPUTS	Sounder 1	24V (max 300mA fused)
	Sounder 2	24V (max 300mA fused)
	Fault/fire relay	Volt free 500mA @ 24V (max load)
	Auxiliary output	24VDC (300mA fused)
ENVIRONMENT	Working Temperature	0 to 40 °C
	Storage Temperature	-20 to 60 °C
	Humidity	0 - 95%
	Dimensions (mm)	340W 290H 100D
	Weight	2.1 KG





MAG2

2 Zone Fire Panel

- 2 programmable zones
- Active end of line monitoring and head removal
- 30 fire detectors per zone
- Unlimited number of call points per zone
- Integral evacuate alarm button
- 'Class change' facility
- Enable/disable security key
- One man walk test facility
- Volt free fire change over relay
- Volt free fault change over relay
- Individual sounder circuit fault ID
- Individual zone/sounder isolate
- BS5839 and EN54 P2/4 compliant
- CE certified
- Requires only 1x12v battery
- Metal casing

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OUTPUTS	Sounder 1	24V (max 300mA fused)
	Sounder 2	24V (max 300mA fused)
	Fault/fire relay	Volt free 500mA @ 24V (max load)
	Auxiliary output	24VDC (300mA fused)
ENVIRONMENT	Working Temperature	0 to 40 °C
	Storage Temperature	-20 to 60 °C
	Humidity	0 - 95%
	Dimensions (mm)	200W 290H 80D
	Weight	2.7 KG



MAG4P

4 Zone Fire Panel

- 4 programmable zones
- Active end of line monitoring and head removal
- 30 fire detectors per zone
- Unlimited number of call points per zone
- Integral evacuate alarm button
- 'Class change' facility
- Enable/disable security key
- One man walk test facility
- Volt free fire change over relay
- Volt free fault change over relay
- Individual sounder circuit fault ID
- Individual zone/sounder isolate
- BS5839 and EN54 P2/4 compliant
- CE certified
- Requires only 1x12v battery
- ABS casing



INPUTS	Max detectors per zone	30
	Thresholds for zone conditions	0 - 2 mA (Fault condition) 2 - 6 mA (Normal condition) 6 - 110 mA (Fire condition) 110 mA - Short (Fault condition)
POWER	Mains fail consumption	50mA
	Mains supply	230 VAC $\pm$ 10%
	Standby supply	1 x 7ah 12V S.L.A. Battery
	Power availability	0.7 amps
OUTPUTS	Sounder 1	24V (max 300mA fused)
	Sounder 2	24V (max 300mA fused)
	Fault/fire relay	Volt free 500mA @ 24V (max load)
	Auxiliary output	24VDC (300mA fused)
ENVIRONMENT	Working Temperature	0 to 40 °C
	Storage Temperature	-20 to 60 °C
	Humidity	0 - 95%
	Dimensions (mm)	340W 290H 100D
	Weight	2.5 KG





MAG4

4 Zone Fire Panel

- 4 programmable zones
- Active end of line monitoring and head removal
- 30 fire detectors per zone
- Unlimited number of call points per zone
- Integral evacuate alarm button
- 'Class change' facility
- Enable/disable security key
- One man walk test facility
- Volt free fire change over relay
- Volt free fault change over relay
- Individual sounder circuit fault ID
- Individual zone/sounder isolate
- BS5839 and EN54 P2/4 compliant
- CE certified
- Requires only 1x12v battery
- Metal casing

INPUTS	Max detectors per zone	30
	Thresholds for zone conditions	0 - 2 mA (Fault condition) 2 - 6 mA (Normal condition) 6 - 110 mA (Fire condition) 110 mA - Short (Fault condition)
POWER	Mains fail consumption	50mA
	Mains supply	230 VAC $\pm$ 10%
	Standby supply	1 x 7ah 12V S.L.A. Battery
	Power availability	0.7 amps
OUTPUTS	Sounder 1	24V (max 300mA fused)
	Sounder 2	24V (max 300mA fused)
	Fault/fire relay	Volt free 500mA @ 24V (max load)
	Auxiliary output	24VDC (300mA fused)
ENVIRONMENT	Working Temperature	0 to 40 °C
	Storage Temperature	-20 to 60 °C
	Humidity	0 - 95%
	Dimensions (mm)	320W 220H 80D
	Weight	3.5 KG



MAG816

8 Zone Fire Panel expandable to 16 zones

- Up to 16 programmable zones
- Up to 16 sounder circuits
- Active end of line monitoring and head removal
- Up to 32 fire detectors per zone
- Unlimited number of call points per zone
- Integral evacuate alarm button
- Repeater facility
- 'Class change' facility
- Enable/disable security key
- One man walk test facility
- Volt free fire change over relay
- Volt free fault change over relay
- Individual sounder circuit fault ID
- Individual zone/sounder isolate
- Alarm delay options
- BS5839 and EN54 P2/4 compliant
- CE certified
- Requires 1 x 12V batteries
- ABS casing

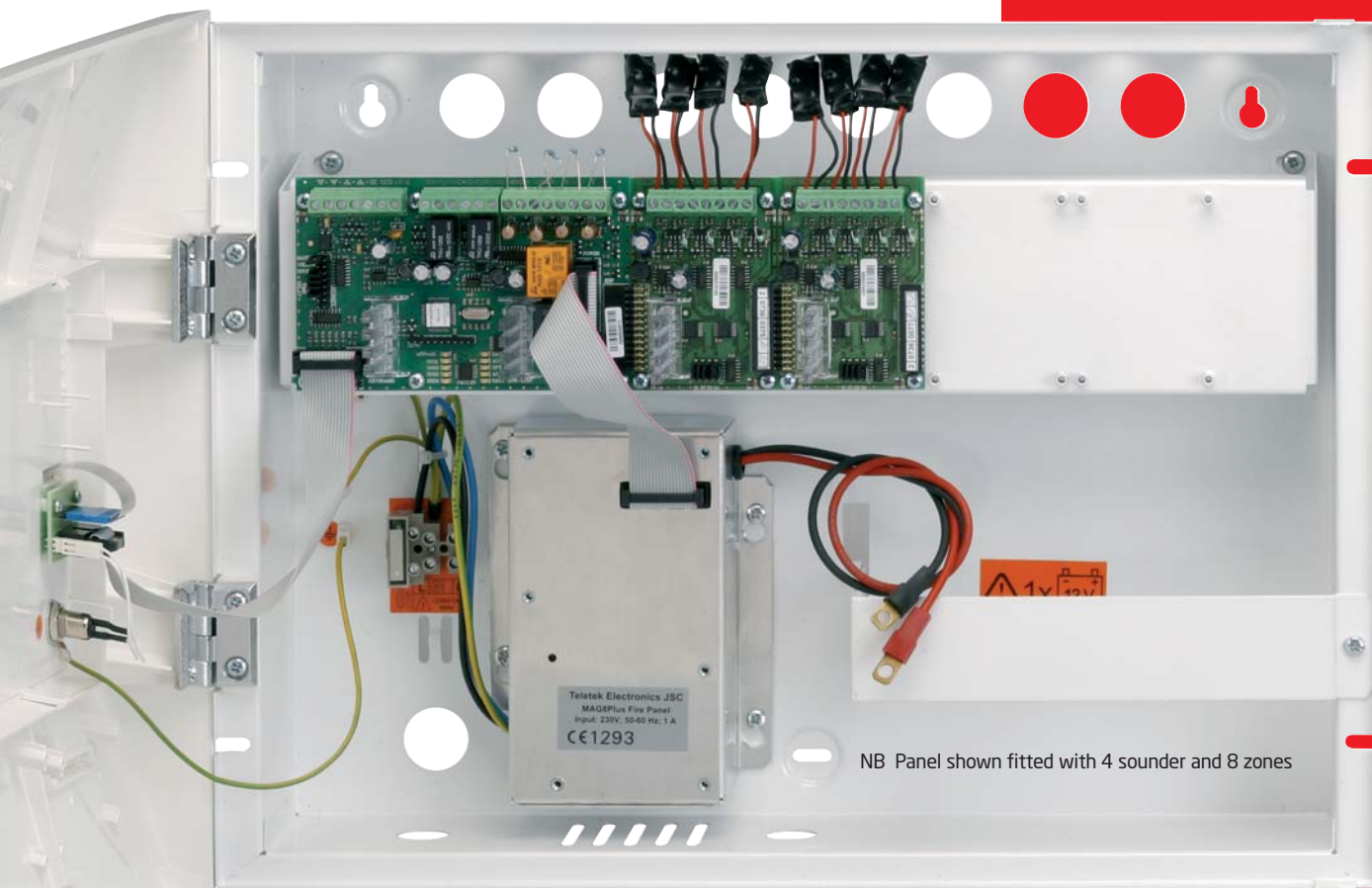
INPUTS	Max. detectors per zone	32
	Thresholds for zone conditions	0 - 2 mA (Fault condition) 2 - 10 mA (Normal condition) 10 - 110 mA (Fire condition) 110mA - + Short (Fault condition)
POWER	Mains fail consumption	130mA (1 zone expander) 260mA (4 zone expanders)
	Mains supply	230 VAC $\pm$ 10%
	Standby supply	1 x 18ah 12V S.L.A. Batteries
	Power availability	0.7 amps
OUTPUTS	On board sounder circuits (4)	300mA @ 24V fuse resettable (PTC)
	Sounder expander cards (4)	150mA @ 24V fuse resettable (PTC)
	Fault/fire relay	Volt free 500mA @ 24V (max load)
	Auxiliary output	24VDC (300mA fused)
ENVIRONMENT	Working Temperature	0 to 40 °C
	Storage Temperature	-20 to 60 °C
	Humidity	0 to 93%
	Dimensions (mm)	456W 350H 125D
	Weight	4.2 KG

FIRE ZONE / SOUNDER OUTPUT MATRIX

Number of zone cards fitted	Number of sounder cards fitted	Number of zones	Number of sounder outputs
2	0	8	4
3	0	12	4
4	0	16	4
2	1	8	8
3	1	12	8
1	2	4	12
2	2	8	12
1	3	4	16

NB The MAG816 features 4 sounder circuits. Space is provided for up to 4 extra expansion cards of any combination. Sounder cards carry 4 sounder circuits, Zone cards carry 4 fire zones. The MAG816 is supplied as standard with 8 fire zones and 4 sounder circuits.

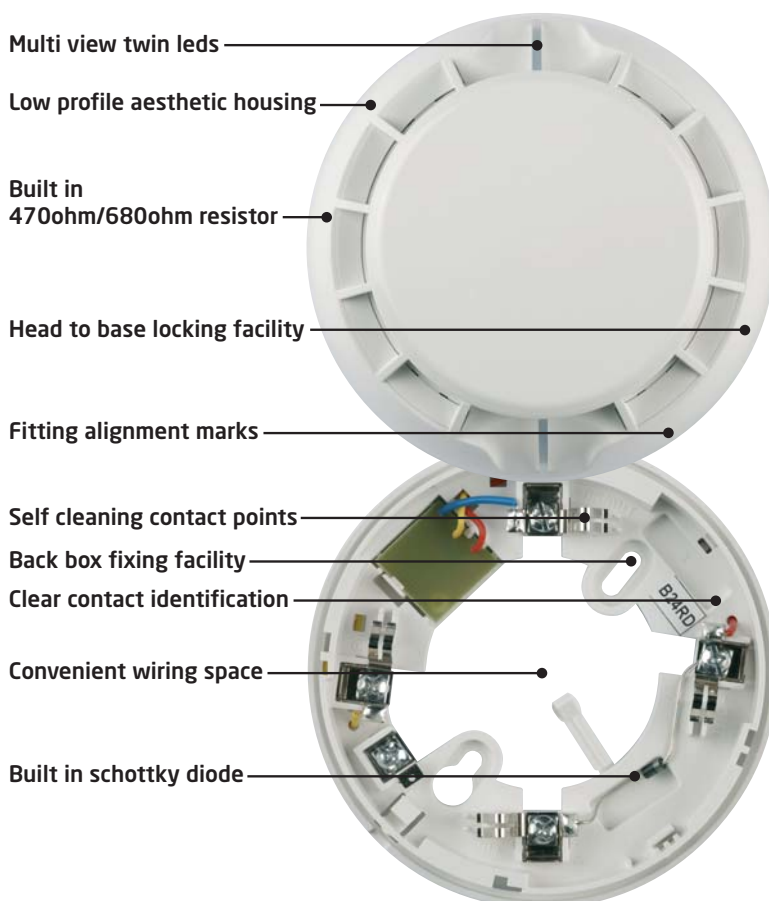




DETECTORS

The new range of Fireline detectors have been developed to provide a perfect compliment to the Fireline Mag panels. All detectors are supplied with a diode base, and conform to the latest EN54 standards.

Their smooth aesthetics and competitive pricing will make them more than suitable for the majority of conventional installations.



PSD-2
Optical smoke detector

CSD-2
Combined optical smoke & rate of rise heat detector

FHD-2
Fixed temperature heat detector

RHD-2
Rate of rise heat detector

MODEL	PSD-2	CSD-2	FHD-2	RHD-2
DESCRIPTION	Optical smoke	Combined smoke/heat	Fixed temp heat	Rate of rise heat
TYPE	Conventional	Conventional	Conventional	Conventional
APPROVAL	EN54-7	EN54-7, EN54-5	EN54-5	EN54-5
CLASS	N/A	A1R	A2S	A1R
OPERATING VOLTAGE	9 - 30VDC	9 - 30VDC	9 - 30VDC	9 - 30VDC
STANDBY CURRENT @ 24V	< 60µA	< 60µA	< 60µA	< 60µA
ALARM CURRENT @ 24V	49mA	49mA	49mA	49mA
WIRE GAUGE	0.4mm - 2.0mm TWIN	0.4mm - 2.0mm TWIN	0.4mm - 2.0mm TWIN	0.4mm - 2.0mm TWIN
OPERATING TEMPERATURE	-10°C to 60°C	-10°C to 60°C	-10°C to 60°C	-10°C to 60°C
TEST FACILITY	Simulated Smoke	Simulated Smoke	Heat Source	Heat Source

WARNING DEVICES



BA-1R
RED BANSHEE SOUNDER



BA-1W
WHITE BANSHEE SOUNDER



BS-1R
RED BEDROOM SOUNDER



BS-1W
WHITE BEDROOM SOUNDER



MA-1
MULTI ALERT SOUNDER



TR-1
TRI-TONE SOUNDER



DBS-1
DETECTOR BASE SOUNDER

MODEL	BA-1R/BA-1W	BS-1R/BS-1W	DBS-1	MA-1	TR-1
DESCRIPTION	Banshee sounder	Bedroom sounder	Detector base sounder	Multi alert sounder	Tri-tone sounder
SOUND OUTPUT @ 1M	87 - 112 dBA	90 dBA	93 dBA	103 dBA	90 dBA
CURRENT	6 - 30 mA	7 mA	18 mA	15 mA	5mA
IP RATING	IP45	N/A	N/A	IP55	IP21C

SOUNDER STROBES



IFB-1
6" INTERNAL FIRE BELL



WFB-1
8" WEATHERPROOF FIRE BELL



FS-1 1 WATT STROBE
FS-2 2 WATT STROBE
FS-3 3 WATT STROBE



ZRL2
REMOTE LED INDICATOR PLATE



CB-1
COMBINED BANSHEE
SOUNDER + STROBE



CB-3
TRI-TONE SOUNDER STROBE

MODEL	IFB-1	WFB-1	FS-1/2/3	ZRL2	CB-1	CB-3
SOUND OUTPUT	95 dBA	95 dBA	N/A	N/A	87 - 112 dBA	90 dBA
FLASH RATE	N/A	N/A	60 / minute	permanent	60 / minute	60 / minute
CURRENT	11 mA	25 mA	42, 84, 126 mA	minimal	40 mA + sounder	15mA
IP RATING	IP55* (TBC)	IP55* (TBC)	IP65	internal use only	IP45	IP21C

CALL POINTS



SCP-2
SURFACING MOUNTING CALL POINT
Spare glasses available in packs of 10 (SCPG2)
Spare keys available (SCPK2)



FCP-2
FLUSH MOUNTING CALL POINT
Spare glasses available in packs of 10 (SCPG2)
Spare keys available (SCPK2)

ACCESSORIES



BPS-1
24V 1 AMP BOXED
POWER SUPPLY

BPS-2
24V 2 AMP BOXED
POWER SUPPLY

BPS-5
24V 5 AMP BOXED
POWER SUPPLY

* boxed power supplies
require 2 x 12V
batteries (not supplied)



BAT7
12V 7.0ah SLA BATTERY



BAT18
12V 18ah SLA BATTERY



DR916-KP
SPARE KEEPER PLATE
(for use with DR916-24/240)



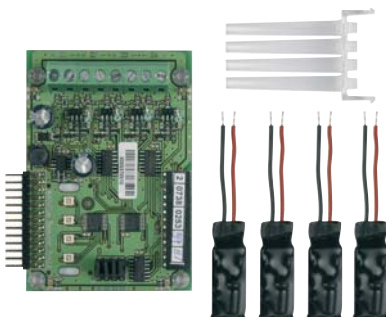
DR916-24
24V DC DOOR HOLDER



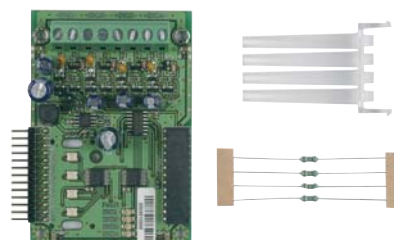
DR916-240
240V AC DOOR HOLDER



DR916-FMB
FLOOR MOUNTING BRACKET
(for use with DR916-24/240)



MAGZC816
4 ZONE EXPANDER CARD
(for use with MAG816)



MAGSC816
4 ZONE SOUNDER EXPANDER CARD
(for use with MAG816)

FIRELINE PRODUCT CODES

CONVENTIONAL FIRE ALARM PANELS

MAG2P	2 ZONE POLYCARB cased conventional FIRE PANEL
MAG2	2 ZONE METAL cased conventional FIRE PANEL
MAG4P	4 ZONE POLYCARB cased conventional FIRE PANEL
MAG4	4 ZONE METAL cased conventional FIRE PANEL
MAG816	8 ZONE (exp to 16 zone) ABS cased conventional FIRE PANEL
MAGZC-816	4 ZONE EXPANDER CARD, for use with MAG816
MAGSC-816	4 ZONE SOUNDER EXPANDER CARD, for use with MAG816

CONVENTIONAL FIRE ALARM DETECTORS

PSD-2	conventional OPTICAL SMOKE detector & diode BASE
CSD-2	conventional COMBINED SMOKE + HEAT detector & diode BASE
FHD-2	conventional FIXED TEMPERATURE HEAT detector & diode BASE
RHD-2	conventional RATE OF RISE HEAT detector & diode BASE

MANUAL CALL POINTS

SCP-2	conventional SURFACE mounting red CALL POINT
FCP-2	conventional FLUSH mounting red CALL POINT
SCP2-COVER	TRANSPARENT Hinged COVER for use with all SCP2/FCP2
SCPG-2	SPARE GLASS for SCP-2 / FCP-2 (pack of 10)
SCPK-2	SPARE KEYS for SCP-2 / FCP-2 (pack of 10)

FIRE ALARM SOUNDERS (24v)

BA-1R	RED BANSHEE sounder (87 - 112dBA)
BA-1W	WHITE BANSHEE sounder (87 - 112dBA)
MA-1	MULTI ALERT sounder c/w surface BACK BOX (103dBA)
TR-1	RED TRITONE sounder c/w DEEPBASE (87.5dBA)
BS-1R	flush mounting RED BEDROOM sounder (90dBA)
BS-1W	flush mounting WHITE BEDROOM sounder (90dBA)
DBS-1	DETECTOR BASE sounder (93dBA)

FIRE ALARM BELLS (24v)

IFB-1	INTERNAL 150mm FIRE BELL (95dBA)
WFB-1	WEATHERPROOF 200mm FIRE BELL (95dBA)

STROBES (24v)

FS-1	1 WATT (red lens) STROBE
FS-2	2 WATT (red lens) STROBE
FS-3	3 WATT (red lens) STROBE
ZRL2	REMOTE LED INDICATOR surface plate

COMBINATION SOUNDERS & STROBES (24v)

CB-1	combined RED BANSHEE sounder + (red lens) STROBE (97dBA)
CB-2	combined MULTI ALERT sounder + (red lens) STROBE (97dBA)
CB-3	combined RED TRITONE sounder + (red lens) STROBE (87.5dBA)

12v BATTERIES

BAT7	12v 7.0ah SLA BATTERY
BAT18	12v 18.0ah SLA BATTERY

DOOR RETAINERS

DR916-24	24vDC conventional fire alarm DOOR HOLDER
DR916-240	240vAC conventional fire alarm DOOR HOLDER
DR916-FMB	FLOOR MOUNTING BRACKET for use with DR916-24 / 240
DR916-KP	spare KEEPER PLATE for use with DR916-24 / 240

24v BOXED POWER SUPPLIES

BPS-1	24v 1 AMP boxed POWER SUPPLY
BPS-2	24v 2 AMP boxed POWER SUPPLY
BPS-5	24v 5 AMP boxed POWER SUPPLY

