MAG PRO | **fire**line

Addressable and Conventional Fire Protection

esp

Simply reliable

FIRE PROTECTION

MAG PRO | fireline

The MAGPro and Fireline systems has been created to balance performance, reliability and aesthetics whilst being fully compliant with CPR and certified to EN54 standards. The range includes everything required to complete a high quality, durable, addressable fire alarm installation.

CPR COMPLIANT ✓

MAG PRO ADDRESSABLE

fireline CONVENTIONAL

GENERAL FIRE
PRE ALARM
GENERAL FAULT
SYSTEM FAULT
SYSTEM SILENCE
DELAY
DISABLE
TEST
POWER ON

Wed | 19.Jun.2013 | 00:01:17

Alarms 000   Faults   Warnings

DelayOverride

Silence Buzzer

EXIT   MENU   Access 1   MORE

MAGPRO16 - Addressable 16 Zone Fire Panel

CPR COMPLIANT ✓

EN54 · CE · **Made in EU** · **RoHS COMPLIANT 2002/95/EC** ·

16 zone addressable fire alarm panel supplied with 1 loop.
Expandable to 2 loops using MAGPRO16-L250.
A maximum of 250 devices can be connected to each loop.

- ■ 16 Zones
- ■ Maximum 250 devices per loop
- ■ Memory Log: 10,000 events
- ■ Networkable up to 32 Panels
- ■ 4 x 40 character LCD display
- ■ Free programing software
- ■ Micro USB port for PC connection
- ■ Loop & battery calculator software included
- ■ Certified to EN54-2/4

MAGPRO16-L250
Single Loop Expander 250 Devices

INPUTS	Loops	1 expandable to 2
	Devices Per Loop	250
	Protocol	MAGPRO
POWER	Mains Fail Consumption	125mA DC - 1 LOOP 213mA DC - 2 LOOP
	Mains Supply	230V AC + - 10%
	Max Loop Current	500mA DC
	Backup	1x12V 17Ah

OUTPUTS	2 Sounders	24v DC @ 500mA
	4 Programable Relays	24v DC @ 100mA
	3 Monitored Outputs	24v DC @ 100mA
	3 Monitored Inputs	Volt free contacts
ENVIRONMENT	Working Temperature	-5C TO +40C
	Storage	-10C TO 60C
	Humidity	0 - 95%
	Weight	3.6KG
	Dimensions	320 x 220 x 80mm

MAGPRO96 - Addressable 96 Zone Fire Panel

CPR COMPLIANT ✓

EN54 | CE | **Made in EU** | **RoHS COMPLIANT 2002/95/EC** | ⌫

96 zone addressable fire alarm panel supplied with 1 loop.
Expandable to 4 loops using additional MAGPRO96-L250's.
A maximum of 250 devices can be connected to each loop.

- 96 Zones
- Maximum 250 devices per loop
- Memory Log: 10,000 events
- Networkable up to 32 Panels
- 320 x 240 pixel touch screen display
- Free programing software
- Micro USB port for PC connection
- Loop & battery calculator software included
- Certified to EN54-2/4

MAGPRO96-L250
Single Loop Expander 250 Devices

INPUTS		
	Loops	1 expandable to 4
	Devices Per Loop	250
	Protocol	MAGPRO
POWER	Mains Fail Consumption	285mA DC - 1 LOOP
		360mA DC - 2 LOOP
		435mA DC - 3 LOOP
		510mA DC - 4 LOOP
	Mains Supply	230V AC + - 10%
	Max Loop Current	500mA DC
	Backup	1x12V 17Ah

OUTPUTS		
	1 Sounder	24v DC @ 300mA
	4 Programable Relays	110v ac @ 1A
	2 Monitored Outputs	24v DC @ 300mA
	1 Auxillary Output	24v DC @ 300mA
	1 Fault Output	24v DC @ 300mA
ENVIRONMENT	Working Temperature	-5C TO +40C
	Storage	-10C TO 60C
	Humidity	0 - 95%
	Weight	4.2KG
	Dimensions	456 x 350 x 125mm

ADDRESSABLE DETECTORS

MAGPRO-SD1 - Addressable Smoke Detector

- Sensitivity level selectable from the control panel - High/Normal/Middle/Low
- Protected area - 120m^2
- Installation height - up to 16m
- Day/Night mode
- Low profile design
- LED indication with 360° visibility
- Certified to EN54–7
- Base ordered separately see below

EN54 CE Made in EU RoHS COMPLIANT 2002/95/EC

MAGPRO-DB
Detector Base

MAGPRO-DBS
Sounder Base

MAGPRO-DBSS
Sounder Strobe Base

MAGPRO-HD1 - Addressable Heat Detector

- Can work as a fixed temperature or rate of rise detector
- Class A1R, A2S, BS selectable from the control panel
- Day/Night mode
- Protected area - up to 35m^2
- Installation height - up to 3.5m
- Low profile design
- LED indication with 360° visibility
- Certified to EN54–5
- Base ordered separately see below

EN54 CE Made in EU RoHS COMPLIANT 2002/95/EC

MAGPRO-DB
Detector Base

MAGPRO-DBS
Sounder Base

MAGPRO-DBSS
Sounder Strobe Base

MAGPRO-HSD1 - Combined Smoke & Heat Detector

CPR COMPLIANT ✓

- Sensitivity selectable from the control panel - High/Normal/Middle/Low
- Class A1R temperature sensor (according to EN54-5)
- Protected area - up to 120m^2
- Installation height - up to 16m
- Day/Night mode
- Low profile design
- LED indication with 360° visibility
- Certified to EN54-5/7
- Base ordered separately see below

EN54 CE Made in EU RoHS COMPLIANT 2002/95/EC

MAGPRO-DB
Detector Base

MAGPRO-DBS
Sounder Base

MAGPRO-DBSS
Sounder Strobe Base

MAGPRO-WS - Sounder

- Piezo sounder
- Adjustable sound level - 92dB/100 dB
- 32 sound types selectable from the panel
- Loop synchronization and powered
- Certified to EN54–3
- Base MAGPRO-DB ordered separately

CPR COMPLIANT ✓

MAGPRO-DB
Detector Base

MAGPRO-WSS - Sounder Strobe

- Piezo sounder
- Adjustable sound level - 92dB/100 dB
- 32 sound types selectable from the panel
- Loop synchronization and powered
- Certified to EN54–3
- Base MAGPRO-DB ordered separately

CPR COMPLIANT ✓

MAGPRO-DB
Detector Base

MAGPRO-CP - Manual Call Point

- Resettable call point
- Certified to EN54-11-A
- Built in isolator
- IP40 Rated
- Optional protective plastic cover

CPR COMPLIANT ✓

MAGPRO-CPC
Optional plastic cover

MAGPRO-PROG - Programming Tool

For reading/writing addresses and setting of parameters within detectors and modules.

- Built in MAGPRO-DB standard base
- Mains or battery powered (4 x 1.5V not included)
- Programming cable included

MAGPRO-iM - Loop Isolator Module

- Provides protection against short circuit
- Auto reset upon removal of short circuit
- 4 x cable entry points
- A maximum of 30 devices between two isolators
- Certified to EN54-17

CPR COMPLIANT ✓

MAGPRO-MINI - 1 Input Module

- Single volt free contact
- Compact size - 58mm x 25mm x 12mm
- Example applications - Integration of third party control devices
- Compliant to EN54-18

ZRL2 - LED Indicator Plate

- Flash rate - permanent
- Current - 28 mA Max
- Operating Voltage Range - 5-28V DC

BAT18 - Back up Battery

- 12V 17ah SLA back up battery

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

Nb Boxed power supplies require 2 x 12V batteries (not supplied)


Door Holders

DR916-24 - 24V DC Door Holder
DR916-240 - 240V AC Door Holder
DR916-FMB - Floor Mounting Bracket
DR916-KP - Spare Keep Plate

ADDRESSABLE MODULES
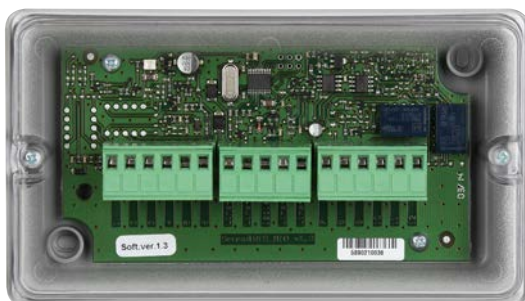
MAGPRO-R - Mains Relay Output Module with Isolator

- Suitable for control of 240VAC voltage circuits up to 5A
- Loop powered
- Built in isolator
- Compliant to EN54-18
- Example application - AC 240V door magnet override

EN54 CE Made in EU RoHS COMPLIANT 2002/95/EC
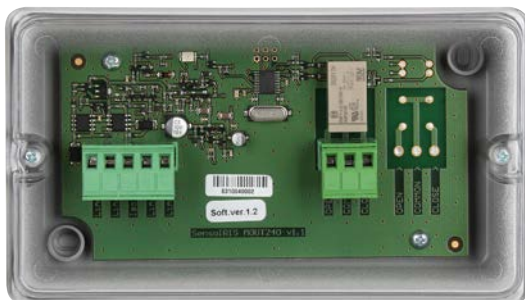
MAGPRO-2i2O - 2 Input 2 Output Module with Isolator

CPR COMPLIANT

- 2 Monitored Inputs
- 2 Outputs
- Loop powered
- Built in isolator
- Certified to EN54-18
- Example application - Link to monitoring station signalling devices

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MAGPRO-0i4O - 4 Output Module with Isolator

CPR COMPLIANT

- 4 Relay outputs
- Loop powered
- Built in isolator
- Certified to EN54-18
- Example applications - Shutdown of ventilation equipment and door override

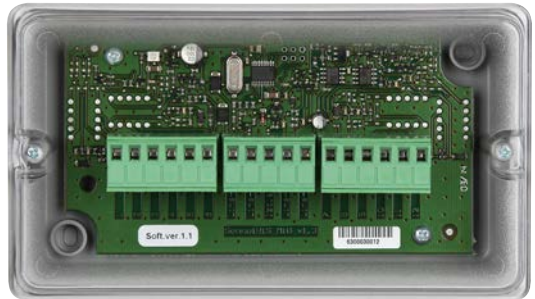EN54 CE Made in EU RoHS COMPLIANT 2002/95/EC
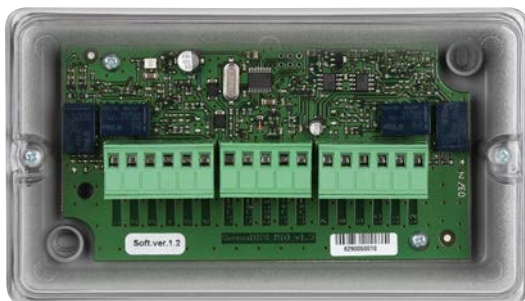
MAGPRO-4i00 - 4 Input Module with Isolator

CPR COMPLIANT

- 4 Monitored Inputs
- Loop powered
- Built in isolator
- Certified to EN54–18
- Example applications - Input from external equipment, extinguishing/sprinkler panel

EN54 | CE | Made in EU | RoHS COMPLIANT 2002/95/EC

MAGPRO-1OSi - Conventional Sounder Module with Isolator

- Integrate conventional sounders into an addressable system
- Loop powered
- Built in isolator
- Requires 24V PSU
- Compliant to EN54–18

EN54 | CE | Made in EU | RoHS COMPLIANT 2002/95/EC

MAGPRO-CZM - Conventional Zone Module with Isolator

CPR COMPLIANT

- Integrate conventional detectors into an addressable system
- Max number of detectors in one zone - 32
- Loop powered
- Built in isolator
- Certified to EN54–18
- Example applications - Integrate conventional equipment i.e. beam detectors

EN54 | CE | Made in EU | RoHS COMPLIANT 2002/95/EC

FLK2P - 2 Zone Conventional Fire Alarm Kit

CPR COMPLIANT ✓

FLK2P kit contains:

- MAG2P 2 zone fire panel
- 6 x PSD-2 Optical smoke detectors complete with bases
- 2 x SCP-2R Resettable call points
- 2 x BA-2R Banshee sounders
- 1 x BAT7 12v 7.0ah SLA battery

EN54 CE Made in EU RoHS COMPLIANT 2002/95/EC [WEEE symbol]

FLK4PH - 4 Zone Conventional Fire Alarm Kit

CPR COMPLIANT ✓

FLK4PH kit contains:

- MAG4P 4 zone fire panel
- 5 x PSD-2 Optical smoke detectors complete with bases
- 1 x FHD-2 Fixed temperature heat detector complete with base
- 2 x SCP-2R Resettable call points
- 2 x BA-2R Banshee sounders
- 1 x BAT7 12v 7.0ah SLA battery

EN54 CE Made in EU RoHS COMPLIANT 2002/95/EC [WEEE symbol]

MAG2P - 2 Zone Fire Panel

CPR
COMPLIANT ✓

EN54 CE Made in EU RoHS COMPLIANT 2002/95/EC 🗑

- 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
- Certified to EN54-2/4
- Requires only 1x12v battery
- MAG2P - ABS casing

MAG2
2 Zone Fire Panel
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 ± 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 40ºC
	Storage Temperature	-20 to 60ºC
	Humidity	0 - 95%
	Dimensions MAG2P	340 x 290 x 100mm
	Dimensions MAG2	200 x 290 x 80mm
	Weight	MAG2P - 2.1Kg MAG2 - 2.7Kg

CONVENTIONAL FIRE PANELS

MAG4P - 4 Zone Fire Panel

CPR COMPLIANT

EN54 | CE | Made in EU | RoHS COMPLIANT 2002/95/EC |

- 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
- Certified to EN54-2/4
- Requires only 1x12v battery
- MAG4P - ABS casing

MAG4 - 4 Zone Fire Panel 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 ± 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 MAG4P	340 x 290 x 100mm
	Dimensions MAG4	320 x 220 x 80mm
	Weight	MAG4P - 2.5Kg MAG4 - 3.5Kg

MAG816 - 8 Zone Fire Panel expandable to 16 zones

CPR COMPLIANT ✓

EN54 | CE | Made in **EU** | **RoHS** COMPLIANT 2002/95/EC
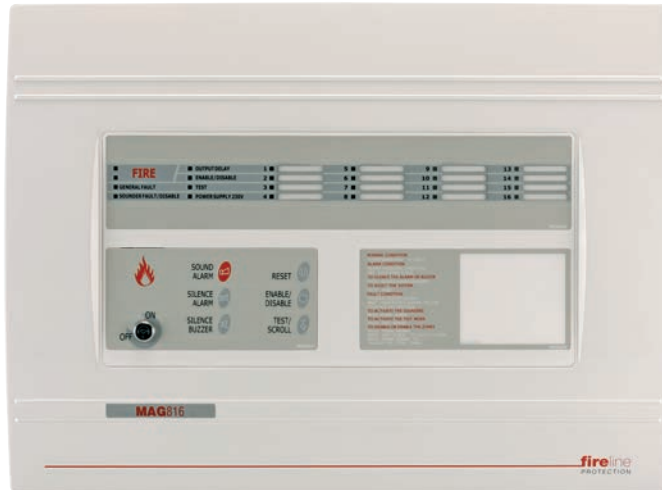
- Up to 16 programmable zones
- Up to 16 sounder circuits
- Active end of line monitoring and head removal
- Up to 32 fire detectors per zone
- Unlimited number of call points per zone
- Integral evacuate alarm button
- Repeater facility
- 'Class change' facility
- Enable/disable security key
- One man walk test facility
- Volt free fire/fault change over relay
- Individual sounder circuit fault ID
- Individual zone/sounder isolate
- Alarm delay options
- Certified to EN54-2/4
- Requires 1 x 12V batteries
- ABS casing
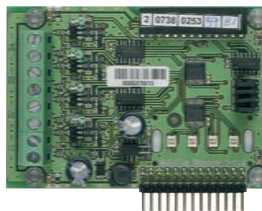
MAGZC816
4 Zone Expander Card

MAGSC816
4 Zone Sounder Expander Card

FIRE ZONE / SOUNDER OUTPUT MATRIX

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

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 ± 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)	456 x 350 x 125mm
	Weight	4.2 KG

Conventional Fire Alarm Detectors

CPR COMPLIANT ✓

EN54 | CE | Made in **EU** | RoHS COMPLIANT 2002/95/EC | ♻

These Fireline detectors have been developed to provide a perfect compliment to the Fireline MAG panels. All detectors are supplied with a diode base. Fully compliant with CPR and certified to EN54 standards.

PSD-2 Optical smoke detector
CSD-2 Combined optical smoke & fixed 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℃ to 60℃	-10℃ to 60℃	-10℃ to 60℃	-10℃ to 60℃
Test Facility	Simulated Smoke	Simulated Smoke/ Heat	Heat Source	Heat Source

12V Fire Alarm Detectors

CPR COMPLIANT ✓

EN54 CE Made in EU RoHS COMPLIANT 2002/95/EC

The new range of Fireline detectors have been developed to provide a perfect compliment to 12V hardwire intruder alarm systems. All detectors are supplied with a relay base. Fully compliant with CPR and certified to EN54 standards.

PSD-212 12V Optical smoke detector
CSD-212 Combined optical smoke & fixed heat detector
FHD-212 Fixed temperature heat detector
RHD-212 Rate of rise heat detector

MODEL	PSD-212	CSD-212	FHD-212	RHD-212
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 @ 12v	< 50µA	< 50µA	< 50µA	< 50µA
Alarm Current @ 12v	29mA	29mA	29mA	29mA
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	Heat Source	Heat Source

SOUNDERS AND ACCESSORIES

Conventional Sounders

- Sound Output @ 1m 89 - 110 dBA
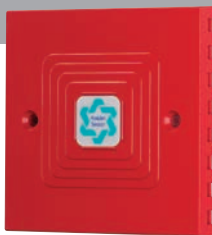- Current - 3-39 mA
- IP Rating - IP45

BA-2R - Red Banshee Sounder
BA-2W - White Banshee Sounder

Bedroom Sounders

- Sound Output @ 1m - 90 dBA
- Current - 7 mA

BS-1R - Red Bedroom Sounder
BS-1W- White Bedroom Sounder

MA1 - Multi Alert Sounder

- Sound Output @ 1m - 103 dBA
- Current - 15 mA
- IP Rating - IP55

DBS1 - Detector Base Sounder

- Sound Output @ 1m - 93 dBA
- Current - 18 mA

WFB-1 - Weatherproof Fire Bell

- Sound Output - 95 dBA
- Current - 25 mA
- 8" diameter
- IP Rating - IP55

IFB-1 - Internal Fire Bell

- Sound Output - 95 dBA
- Current - 11 mA
- 6" diameter
- IP Rating - IP21C

fireline

SCP2-R - Resettable Call Point

- Surface or flush mounting
- Complete with surface back box
- Spare keys available - SCP2RK
- Optional plastic cover - SCP2-COVER

CPR COMPLIANT ✓

ZRL2 - LED Indicator Plate

- Flash rate - permanent
- Current - 28 mA Max
- Operating Voltage Range - 5-28V DC

CPR COMPLIANT ✓

FS-1 - 1 watt Strobe

- Flash rate - 60/minute
- Current - 42, 84, 126 mA
- IP Rating - IP65

CPR COMPLIANT ✓

CB-1R - Sounder and Strobe

- Sound Output - 89-110 dBA
- Flash rate - 60/minute
- Current - 40 mA plus sounder
- IP Rating - IP45

CPR COMPLIANT ✓

Back up Batteries

BAT18 - 12V 17ah SLA back up battery for MAG816
BAT7 - 12V 7.0ah SLA back up battery for MAG2P, MAG2, MAG4P and MAG4

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

Nb Boxed power supplies require 2 x 12V batteries (not supplied)
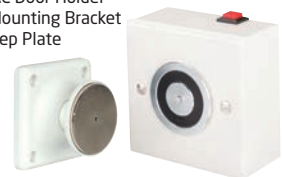
MAGR - 8 Zone Relay Module

- MAG816 expander module providing 8 relay switches for zone activation
- Separate zone (max. 8) activation in fire condition
- N.O & N.C options

Door Holders

DR916-24 - 24V DC Door Holder
DR916-240 - 240V AC Door Holder
DR916-FMB - Floor Mounting Bracket
DR916-KP - Spare Keep Plate

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