ELMDENE
Protecting People & Property

a **PPOTTER** company

Product Guide
2021-22

Elmdene International Limited is a world class manufacturer of electronic products for the Security, Access Control, Fire, Intruder and CCTV industries.

Established in 1963 with our manufacturing plant based in Portsmouth on the south coast of England, our range continues to grow with the introduction of new products designed to meet the changing needs of the industry, customers and end users.

Our aim is simple: to provide customers with cost-effective, innovative and high quality products backed by first class and ongoing support, whenever our customers need it.

Elmdene Accreditation

We are accredited to BS EN9001 for our quality management system and compliant to ISO 14001 for environmental management. We work to meet the requirements of quality and technical standards around the world.

Green Credentials

Being environmentally friendly is a key consideration, at Elmdene we understand this and actively build in energy efficiency into our products.

Our switch mode power supply units are typically 80-87% efficient. This is a significant difference that can help save your customer money while helping them meet their own green commitments.

We are also committed to ensuring that we live up to our own green philosophy. We strive to be as environmentally friendly as we can in everything we do. As a result we are compliant to **ISO 14001**

Elmdene is also committed to comply with the requirements of the **WEEE (2012/19/EU)** and **RoHS (2011/65/EC)** EU Environmental Directives.

www.elmdene.co.uk/green

Switch Mode Technology

All dimensions in this catalogue are approximate and are given in mm unless otherwise stated. Specifications are subject to change without notice.

www.elmdene.co.uk

Over
50 Years
of Innovation

With over 50 years of experience in designing and manufacturing Security products, Elmdene is a reliable choice for product development and bespoke solutions.

Elmdene have earned a great reputation from partnerships, bringing comprehensive technical knowledge, manufacturing expertise, high quality, and first class project management to each unique solution brought to market.

In-House Capabilities

✓ In-house **Design Team**

✓ **Concept** and **3D Modelling**

✓ **Quick** to react

✓ Experts in **Power Supply design**

✓ Bespoke and innovative **solution provider**

✓ **Reliability** is key to all designs

✓ Dedicated **technical support**
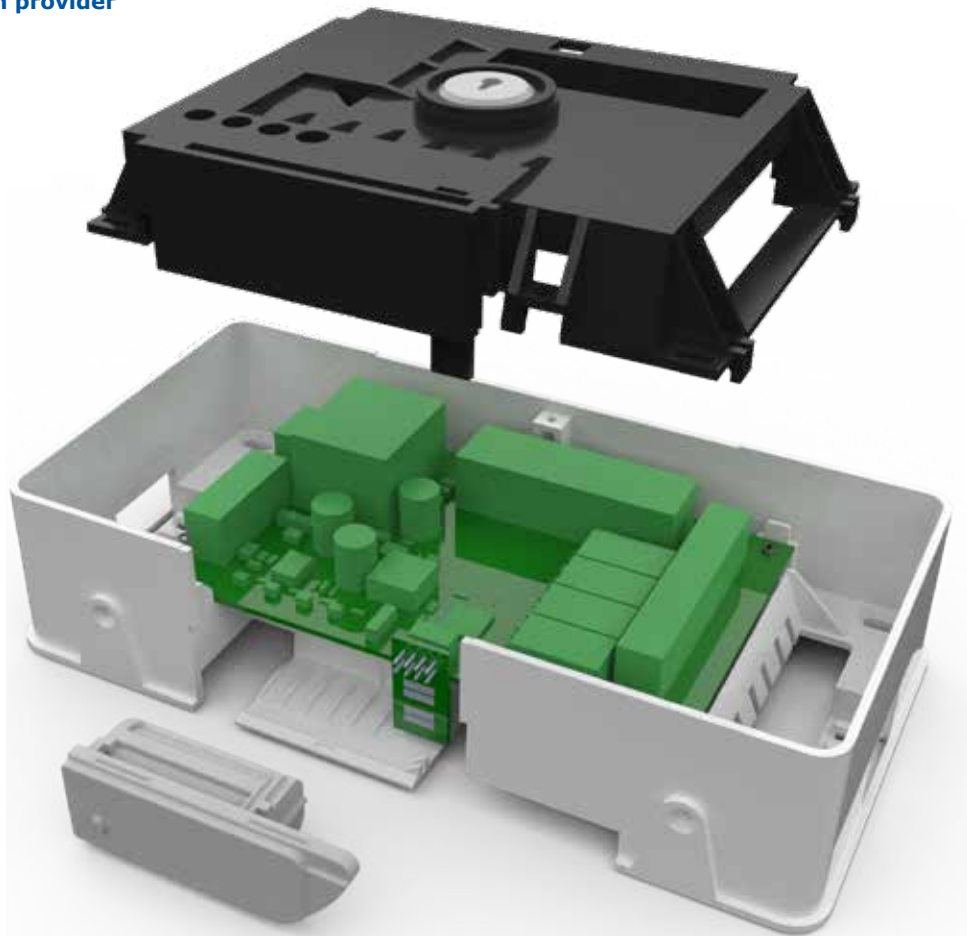
If you have any OEM or bespoke requirements please contact us to discuss further

ELMDENE
Protecting People & Property
A ⓟ POTTER Company

General Page 07

Access Control Page 17

Fire Page 23

CCTV Page 29

Intruder Page 33

ELMDENE
Protecting People & Property
A POTTER Company

www.elmdene.co.uk

Power Supply Matrix

KEY: **O** = Option available ; **G2** = Grade 2 ; **G3** = Grade 3

			12V G range N	12V G range BM	ACCESS range	ACCESS UL range	GEN range	Switchable range	12V VRS range	12V VRS-e range	24V G range N	24V G range BM	STX range	ST range	TR range	24V Vision range	POE-ULTRAPOD
Output Voltage	12V dc	13.8Vdc output for 12V devices	●	●	●	●	●	●	●	●							●
	24V dc	27.6Vdc output for 24V devices						●			●	●	●	●	●	●	
	24V AC	24VAC output for 24Vac devices														●	
Input Voltage	110VAC		●	●	●	●	●	●	●	●	●	●	●				
	240VAC		●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	PoE																●
Output Current	1A	Maximum rated load current	●	●	●	●	●	●	●	●	●	●	●		●	●	●
	2A	Maximum rated load current	●	●	●	●	●	●	●	●	●	●	●		●	●	●
	3A	Maximum rated load current	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	4A	Maximum rated load current	●	●	●	●		●	●	●	●	●	●	●	●	●	
	5A	Maximum rated load current	●	●	●	●		●			●	●	●	●			
	8A	Maximum rated load current			●	●			●	●				●		●	
	10A	Maximum rated load current		●									●	●			
	16A	Maximum rated load current										●				●	
	18A	Maximum rated load current										●					
	20A	Maximum rated load current										●				●	
Features	SLA Battery Charging	On-board battery charging for emergency backup lead-acid batteries	●	●	●	●	●	●			●	●	●	●			●
	Expandable Series battery configuration	Enables hold-up time to be doubled					O										
	Lid Tamper	Signal to warn lid has been opened	●	●	●	●	G2 G3	●									●
	Wall Tamper	Signal to warn PSU has been removed from wall		●	●	●	G3	●									
	Low battery warning	Signal when battery voltage becomes low		●	O	O	●						●	●	●		●
	Mains fail warning	Signal to warn mains power as been lost		●	O	O	●	●					●	●	●		●
	PSU Fault warning	Signal to warn the PSU has an internal fault		●				●					●	●	●		
	Battery Fault warning	Signal to warn the battery has a fault		●				●					●	●	●		
	Battery deep discharge protection	Low battery cut-off, which prolongs the life of battery		●	O	O	●						●	●	●		●
	LED indication	Visual identificaiton on PSU lid	●	●	●	●		●	●		●	●	●	●			●
	Mounting Holes for Access controllers	Enables correct fitment of various access controllers			●	●											●
	12/24V switchable outputs	Output can be switched from 12V to 24V via manual switch			O	O		●									
	Multiple fused outputs (glass fuse) - options	Multiple fused outputs enable multiple devices to be powered, with glass fuse protetion	O	O	O			●			O	O		●		●	
	Multiple fused outputs (PTC fuse)	Multiple fused outputs enable multiple devices to be powered, with self-resetting fuse protection					●			O							
	Independant ancillary relay	A separate relay that can be used to signal or trigger independent events			O	O		●									
	Remote control of output/Fire Alarm interface	Enables a fire alarm signal to remotely operate the PSU output (on/off)				●									●		
	Encapsulated (DC jack plug)	Output plug is 2.1mm jack plug										●					
Mounting options	Lockable enclosure	Uses key and lock to secure enclosure lid			O	O											
	IP rated enclosure for outdoor use	IP67 rated plastic enclosure for outdoor installations									●					O	
	Steel enclosure (white)	Enclosure for PSU and battery is made from steel	●	●	●	●	●	●	●		●	●	●	●	●	●	●
	DIN rail fixing / module only	Power module is able to fix to standard DIN rail for custom installations	●	●			●				O	O	O	O			O
	19" Rack enclosure (2U)	Low profile enlcosure for 19" cabinet racks				●										●	
	Warranty (3 years)	Standard warranty for Elmdene PSUs	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Operating Temp -10 to +40oC	PSU will operate to full load within these temperatures	●	●	●	●	●	●			●	●					●
Product Standards	CE/UKCA compliant	Minimal requirement for electronic products within UK and EU	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	UL approved	UL approval needed for USA, South America and Middle East markets				UL294						UL-EU					
	VDS approved	German approval body												●			
	FCC compliant	EMC compliance for US market															●
	EN54-4 approved (CPR)	Mandatory requiement for fire power supplies											●	●			
	EN12101-10 approved (CPR)	Mandatory requirment for AOV (Automatic Opening Vent) power supplies												●			
	EN50131-6 Grade 2 approved	Mandatory requirement for Grade 2 intruder systems						●									
	EN50131-6 Grade 3 approved	Mandatory requirement for Grade 3 intruder systems						O									
	System Level 5 approved (FPC)	Extra approval for Factory (Spain market)						O					●	●			
	BS7273 compliant (door retainer)	Fire door retainer installation guidance - meets the needs of													●		
Typical Application	General Purpose		●	●			●				●	●					●
	Access Control		●	●	●	●		●			●	●					●
	CCTV		●	●			●	●	●	●						●	●
	Intruder						●										
	Fire												●	●			
	AOV													●			
	Door Retainer														●		

ELMDENE — Protecting People & Property — A Potter Company

Power Supply Enclosures

A range of box sizes are available for Elmdene power supplies. Use the table below to identify the box size for your application.

- As standard, boxed power supplies are made from powder coated steel and finished in white
- Some units are available in polycarbonate IP66/IP68 rated boxes
- Unboxed modules can be lug or DIN rail mounted (dependent on model)

Box Reference	Dimensions (mm)	Enclosure Type	Lid Type
A	200 H x 230 W x 80 D	Powder Coated Steel	Hinge
B	330 H x 355 W x 80 D		Clam
B2	380 H x 334 W x 85 D		Hinge
C	275 H x 330 W x 80 D		Hinge
D	500 H x 400 W x 80 D		
E	420 H x 400 W x 80 D		
F	380 H x 230 W x 75 D		
G	440 H x 250 W x 115 D		
H	420 H x 420 W x 180 D		
J	185 H x 200 W x 53 D		
K	325 H x 350 W x 105 D		
L	100 H x 150 W x 65 D		Clam
M	182 H x 182 W x 90 D	IP66	Screw
P	250 H x 150 W x 100 D	IP68	
Q	200 H x 200 W x 100 D	IP66	
R	410 H X 390 W x 86 D	Powder Coated Steel	Clam
S	345 H x 288 W x 90 D		
T	300 H x 240 W x 60 D		Hinge
V	515 H x 478 W x 146 D		

Why not make your product stand out with the **Custom Designed Enclosure** and **Branding** services available.
See pages 46 & 47 for more information.

www.elmdene.co.uk

Security Power Supplies

			12V G range N	12V G range BM	Switchable range	24V G range N	24V G range BM
Output Voltage	12V dc	13.8Vdc output for 12V devices	•	•	•		
	24V dc	27.6Vdc output for 24V devices			•	•	•
Input Voltage	110VAC		•	•	•	•	•
	240VAC		•	•	•	•	•
Output Current	1A	Maximum rated load current	•	•	•	•	•
	2A	Maximum rated load current	•	•	•	•	•
	3A	Maximum rated load current	•	•	•	•	•
	4A	Maximum rated load current	•	•	•	•	•
	5A	Maximum rated load current	•	•	•	•	•
	8A	Maximum rated load current				•	
	10A	Maximum rated load current		•			•
Features	SLA Battery Charging	On-board battery charging for emergency backup lead-acid batteries	•	•	•	•	•
	Lid Tamper	Signal to warn lid has been opened	•	•	•		
	Wall Tamper	Signal to warn PSU has been removed from wall		•	•		
	Low battery warning	Signal when battery voltage becomes low		•			•
	Mains fail warning	Signal to warn mains power as been lost		•	•		•
	PSU Fault warning	Signal to warn the PSU has an internal fault		•			•
	Battery Fault warning	Signal to warn the battery has a fault		•			•
	Battery deep discharge protection	Low battery cut-off, which prolongs the life of battery		•			•
	LED indication	Visual identificaiton on PSU lid	•	•	•	•	•
	12/24V switchable outputs	Output can be switched from 12V to 24V via manual switch			•		
	Multiple fused outputs (glass fuse) - options	Multiple fused outputs enable multiple devices to be powered, with glass fuse protetion	O	O		O	O
	Independant ancillary relay	A separate relay that can be used to signal or trigger independent events			•		
Mounting options	Steel enclosure (white)	Enclosure for PSU and battery is made from steel	•	•	•	•	•
	DIN rail fixing / module only	Power module is able to fix to standard DIN rail for custom installations	•	•		O	O
	Warranty (3 years)	Standard warranty for Elmdene PSUs	•	•	•	•	•
	Operating Temp -10 to +40oC	PSU will operate to full load within these temperatures	•	•	•	•	•
Product Standards	CE/UKCA compliant	Minimal requirement for electronic products within UK and EU	•	•	•	•	•
Typical Application	General Purpose		•	•	•	•	•
	Access Control		•	•	•	•	•
	CCTV		•	•	•	•	•

KEY: O = Option available

www.elmdene.co.uk

Switch Mode Technology

Also suitable for **Access Control** and **Intruder systems**

Overview

This range has a regulated highly stable output supplying full rated current to load, plus additional battery charge and a universal mains voltage input charging (90 to 264V ac).

Features

- 13.8V dc output
- Full rated current to load + 0.5A battery charging
- Modular construction means easy maintenance and upgrading
- Cost effective switch mode
- Front tamper protection
- Energy efficient
- Available in boxed and unboxed
- Battery leads now included with unboxed models
- 3 year warranty

Part Number	Amp Rating	Dimensions	Will Fit Battery Size
G13801N-A	1.0	200 H x 230 W x 80 D	1 x 7Ah
G13801N-B		330 H x 355 W x 80 D	1 x 17Ah
G13801N-C		275 H x 330 W x 80 D	
G13802N-A	2.0	200 H x 230 W x 80 D	1 x 7Ah
G13802N-B		330 H x 355 W x 80 D	1 x 17Ah
G13802N-C		275 H x 330 W x 80 D	
G13803N-A	3.0	200 H x 230 W x 80 D	1 x 7Ah
G13803N-B		330 H x 355 W x 80 D	
G13803N-C		275 H x 330 W x 80 D	
G13804N-B	4.0	330 H x 355 W x 80 D	1 x 17Ah
G13804N-C		275 H x 330 W x 80 D	
G13804N-4-C	4 x 1A		
G13805N-B	5.0	330 H x 355 W x 80 D	
G13805N-C		275 H x 330 W x 80 D	
			Dimensions
G13801NU	1.0	Unboxed (Battery leads included)	134 L x 84 W x 42 H
G13802NU	2.0		
G13803NU	3.0		
G13804NU	4.0		152 L x 106 W x 71 H
G13804NU-4	4 x 1.0		
G13805NU	5.0		

Some part numbers within this range may be subject to MOQs

ELMDENE
Protecting People & Property
A POTTER Company

www.elmdene.co.uk

Switch Mode Technology

Also suitable for Access Control and Intruder systems

Overview

Ideal for applications requiring mains and battery monitoring with fault outputs in addition to battery deep discharge protection.

Features

- 13.8V dc output
- Full rated current to load + 0.5A battery charging
- Mains and battery monitoring
- 2x Volt free fault outputs
- Low battery warning
- Battery deep discharge protection
- Front and rear tamper protection
- Battery leads now included with unboxed models
- 3 year warranty

Part Number	Amp Rating	Dimensions	Will Fit Battery Size
G13801BM-A	1.0	200 H x 230 W x 80 D	1 x 7Ah
G13801BM-B		330 H x 355 W x 80 D	1 x 17Ah
G13801BM-C		275 H x 330 W x 80 D	
G13802BM-A	2.0	200 H x 230 W x 80 D	1 x 7Ah
G13802BM-B		330 H x 355 W x 80 D	1 x 17Ah
G13802BM-C		275 H x 330 W x 80 D	
G13803BM-B	3.0	330 H x 355 W x 80 D	
G13803BM-C		275 H x 330 W x 80 D	
G13804BM-B	4.0	330 H x 355 W x 80 D	
G13804BM-C		275 H x 330 W x 80 D	
G13805BM-B	5.0	330 H x 355 W x 80 D	
G13805BM-C		275 H x 330 W x 80 D	
G13810BM-8-C	10.0	275 H x 330 W x 80 D	2 x 7Ah
G13810BM-8-R		410 H x 390 W x 86 D	2 x 17Ah
			Dimensions (LxWxH)
G13801BMU	1.0	Unboxed (Battery leads included)	152 x 106 x 52
G13802BMU	2.0		
G13803BMU	3.0		152 x 106 x 71
G13804BMU	4.0		
G13805BMU	5.0		

Some part numbers within this range may be subject to MOQs

Switch Mode Technology

Overview

Standard range of 24V dc power supplies with closely regulated output and universal mains input designed for general purpose applications.

Features

- 27.6V dc output
- Full rated current to load + 0.5A battery charging
- Boxed and un-boxed versions
- Electronic overload protection
- Universal mains input
- DIN rail mount option 1A & 2A models
- Battery leads now included with unboxed models
- 3 year warranty

Part Number	Amp Rating	Dimensions	Will Fit Battery Size
G2401N-C	1.0	275 H x 330 W x 80 D	2 x 12V 7Ah
G2401N-R		410 H X 390 W x 86 D	2 x 12V 17Ah
G2402N-C	2.0	275 H x 330 W x 80 D	2 x 12V 7Ah
G2402N-R		410 H X 390 W x 86 D	2 x 12V 17Ah
G2403N-C	3.0	275 H x 330 W x 80 D	2 x 12V 7Ah
G2403N-R		410 H X 390 W x 86 D	2 x 12V 17Ah
G2405N-C	5.0	275 H x 330 W x 80 D	2 x 12V 7Ah
G2405N-R		410 H X 390 W x 86 D	2 x 12V 17Ah
G2405N-H		420 H x 420 W x 180 D	2 x 12V 38Ah

			Dimensions (LxWxH)
G2401NU	1.0	Unboxed DIN RAIL (Battery leads included)	134 x 84 x 42
G2402NU	2.0		152 x 106 x 52
G2403NU	3.0	Unboxed (Battery leads included)	157 x 143 x 55
G2405NU	5.0		

Some part numbers within this range may be subject to MOQs

ELMDENE
Protecting People & Property
A *P* POTTER Company

www.elmdene.co.uk

Switch Mode Technology

Overview

Ideal for applications requiring mains and battery monitoring with fault outputs in addition to battery deep discharge protection.

Features

- 27.6V dc output
- Full rated current to load + 0.5A battery charging
- Mains and battery monitoring
- Low battery warning
- 2x Volt free fault outputs
- Battery deep discharge protection
- Boxed and un-boxed versions
- Battery leads now included with unboxed models
- 3 year warranty

Part Number	Amp Rating	Dimensions	Will Fit Battery Size
G2401BM-C	1.0	275 H x 330 W x 80 D	2 x 12V 7Ah
G2401BM-R		410 H X 390 W x 86 D	2 x 12V 17Ah
G2402BM-C	2.0	275 H x 330 W x 80 D	2 x 12V 7Ah
G2402BM-R		410 H X 390 W x 86 D	2 x 12V 17Ah
G2403BM-C	3.0	275 H x 330 W x 80 D	2 x 12V 7Ah
G2403BM-R		410 H X 390 W x 86 D	2 x 12V 17Ah
G2405BM-C	5.0	275 H x 330 W x 80 D	2 x 12V 7Ah
G2405BM-R		410 H X 390 W x 86 D	2 x 12V 17Ah
G2405BM-H		420 H x 420 W x 180 D	2 x 12V 38Ah
G2410BM-E	10.0	420 H x 400 W x 80 D	2 x 12V 17Ah

Part Number	Amp Rating		Dimensions (LxWxH)
G2401BMU	1.0	Unboxed DIN RAIL (Battery leads included)	152 x 106 x 52
G2402BMU	2.0		
G2403BMU	3.0	Unboxed (Battery leads included)	157 x 143 x 55
G2405BMU	5.0		
G2410BMU	10.0		245 x 135 x 60

Some part numbers within this range may be subject to MOQs

Switch Mode Technology

Overview

A range of power supplies featuring a selectable 12V / 24V dc output to suit your required application.

Features

- Output selectable between 12V and 24V dc
- 4A/2A, 6A/3A, 8A/4A options at 12V/24V dc
- 7Ah or 17Ah battery options
- Mains fail relay fault output
- Independent ancillary relay
- Tamper protection
- 3 year warranty

Part Number	Amp Rating 13.8V/27.6V	Fused Outputs	Dimensions	Will Fit Battery Size
G1224-42N-C	4A / 2A	1	275 H x 330 W x 80 D	12V Mode: 1 x 12V 7Ah 24V Mode: 2 x 12V 7Ah
G1224-63N-C	6A / 3A			
G1224-84N-C	8A / 4A	1		
G1224-84N-4-C		4		
G1224-84N-8-C		8		
G1224-63N-R	6A / 3A	1	410 H x 390 W x 86 D	12V Mode: 1 x 12V 17Ah 24V Mode: 2 x 12V 17Ah
G1224-84N-R	8A / 4A	1		
G1224-84N-4-R		4		
G1224-84N-8-R		8		
G1224-84N-H	8A / 4A	1	420 H x 420 W x 180 D	24V Mode: 2 x 12V 38Ah
				Dimensions (LxWxH)
G1224-42NU	4A / 2A	1	Unboxed	157 x 143 x 55
G1224-63NU	6A / 3A			
G1224-84NU	8A / 4A			

Some part numbers within this range may be subject to MOQs

ELMDENE
Protecting People & Property
A POTTER Company

www.elmdene.co.uk

Overview

12V and 24V low profile flashing beacons utilising efficient LED technology for indoor and outdoor use.

Features

- 12V and 24V dc versions
- Red, Blue, Amber and Clear lens options
- Twin thread or single threaded stud options
- 1Hz flash rate
- IP66 rated
- 3 year warranty

Part Number 12V dc Versions	Part Number 24V dc Versions	Lens Colour	Fixing
LPB12-A-S	LPB24-A-S	Amber	Single
LPB12-A-T	LPB24-A-T		Twin
LPB12-B-S	LPB24-B-S	Blue	Single
LPB12-B-T	LPB24-B-T		Twin
LPB12-C-S	LPB24-C-S	Clear	Single
LPB12-C-T	LPB24-C-T		Twin
LPB12-R-S	LPB24-R-S	Red	Single
LPB12-R-T	LPB24-R-T		Twin

Some part numbers within these ranges may be subject to MOQs

Ideal for the safe keeping of important Fire & Security system documents & log books.

A4 Document Boxes

Overview

A4 boxes formed from white powder coated steel with cam lock, whilst the slightly larger version also offers a bulldog clip for securing documentation.

Features

- All units are keyed alike
- Provided with 2 keys
- 5 year warranty

Part Number	Dimensions
A4-DOC-BOX	300 H x 235 W x 50 D
A4-DOC-BOX-CLIP	390 H x 250 W x 50 D

Lockable Keypad Enclosure

Overview

Used for control panel keypads, a robust white powder coated steel enclosure designed to provide physically restricted and controlled access to keypads that are mounted in open access environments.

Features

- Lockable lid with removable key
- All units are keyed alike
- Pre-drilled internal mounting plate
- Hinged lid
- Left or right handed mounting applications
- 5 year warranty

Part Number	Dimensions
ELM-KEYPAD-BOX	190 H x 205 W x 55 D

For Fire Document Boxes refer to page **27**

Branding available see page **47** for more information

www.elmdene.co.uk

Fused Output Modules
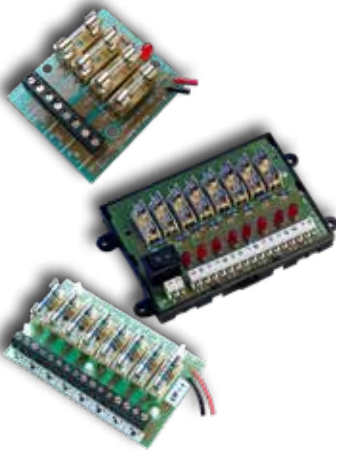
Overview

These fused output modules can be used to provide 4 or 8 individually fused outputs from a single PSU output.

Features

- 4 or 8 individually fused outputs
- Health indicator
- Indvidual health LEDs and PTC options on request
- Ideal for CCTV and Access Control applications
- DIN rail version
- 3 year warranty

Part Number	Dimensions
FOM4	60 L x 50 W x 33 D
FOM8	94 L x 66 W x 33 D
FOM8-DIN	134 L x 84 W x 35 D

PSU Interface Relay

Overview

To control the output of a power supply by a remote source such as a fire alarm control panel. Available in two versions, it can be used in conjunction with any 12V dc or 24V dc PSU.

Features

- Multiple trigger options
- Stand alone device - easily installed within an existing PSU
- LED indication of relay status

Part Number	Dimensions
PSUIR-12	51 H x 60 W x 23 H
PSUIR-24	

Fire FOM

Overview

This range provides independent fused outputs which can be controlled by means of either a Volt Free contact (N/O or N/C) or a low voltage signal (12V dc/24V dc), such as a fire alarm panel output.

Features

- Multiple Trigger configurations
- Contact rating: 10A @ 12Vdc
- Each output selectable for switched or permanently on

Part Number	Dimensions
FIREFOM-12-4	4 way 12V Fire Relay
FIREFOM-12-8	8 way 12V Fire Relay
FIREFOM-12-12	12 way 12V Fire Relay
FIREFOM-24-4	4 way 24V Fire Relay
FIREFOM-24-8	8 way 24V Fire Relay

Some part numbers within these ranges may be subject to MOQs

ELMDENE
Protecting People & Property
A ⓟPOTTER Company

www.elmdene.co.uk

Mains Relay Timer

Overview

A mains switching relay controlled from a 12V source with optional 2 – 40 minute timer for timed on or off function.

Features

- Timer or input follow modes
- Timed on or off option
- Pulse or latched trigger modes

Part Number	Dimensions
MRT01	124 L x 100 W x 45 D

Multi Purpose Relay

Overview

Provides two sets of relay changeover contacts capable of being driven from a normal 12V supply or low current trigger input.

Features

- Switch load up to 1A at 24V dc
- Low current consumption
- Supplied with sticky feet for fixing

Part Number	Voltage	Dimensions
MPR001	12V	72 L x 26 W x 20 D
MPR002	24V	

Some part numbers within these ranges may be subject to MOQs

ELMDENE
Protecting People & Property
A POTTER Company

www.elmdene.co.uk

Access Control Power Supplies

			ACCESS range	ACCESS UL range	POE-ULTRAPOD
Output Voltage	12V dc	13.8Vdc output for 12V devices	●	●	●
Input Voltage	110VAC		●	●	
	240VAC		●	●	
	PoE				●
Output Current	1A	Maximum rated load current	●	●	●
	2A	Maximum rated load current	●	●	●
	3A	Maximum rated load current	●	●	●
	4A	Maximum rated load current	●	●	
	5A	Maximum rated load current	●	●	
	8A	Maximum rated load current	●	●	
Features	SLA Battery Charging	On-board battery charging for emergency backup lead-acid batteries	●	●	●
	Lid Tamper	Signal to warn lid has been opened	●	●	●
	Wall Tamper	Signal to warn PSU has been removed from wall	●	●	
	Low battery warning	Signal when battery voltage becomes low	O	O	●
	Mains fail warning	Signal to warn mains power as been lost	O	O	●
	Battery deep discharge protection	Low battery cut-off, which prolongs the life of battery	O	O	●
	LED indication	Visual identificaiton on PSU lid	●	●	●
	Mounting Holes for Access controllers	Enables correct fitment of various access controllers	●	●	●
	12/24V switchable outputs	Output can be switched from 12V to 24V via manual switch	O	O	
	Multiple fused outputs (glass fuse) - options	Multiple fused outputs enable multiple devices to be powered, with glass fuse protetion	O		
	Multiple fused outputs (PTC fuse)	Multiple fused outputs enable multiple devices to be powered, with self-resetting fuse protection		●	
	Independant ancillary relay	A separate relay that can be used to signal or trigger independent events	O	O	
	Remote control of output/Fire Alarm interface	Enables a fire alarm signal to remotely operate the PSU output (on/off)		●	
Mounting options	Lockable enclosure	Uses key and lock to secure enclosure lid	O	O	
	Steel enclosure (white)	Enclosure for PSU and battery is made from steel	●	●	●
	DIN rail fixing / module only	Power module is able to fix to standard DIN rail for custom installations			O
	Warranty (3 years)	Standard warranty for Elmdene PSUs	●	●	●
	Operating Temp -10 to +40oC	PSU will operate to full load within these temperatures	●	●	●
Product Standards	CE/UKCA compliant	Minimal requirement for electronic products within UK and EU	●	●	●
	UL approved	UL approval needed for USA, South America and Middle East markets		UL294	
	FCC compliant	EMC compliance for US market			●
Typical Application	General Purpose				●
	Access Control		●	●	●
	CCTV				●

KEY: O = Option available

ELMDENE
Protecting People & Property
A POTTER Company

Switch Mode Technology

Features

- 13.8V dc output
- Compact, single and multi-controller enclosures
- PCB mounts supplied for common controllers
- Mains fail fault output (excluding ACCESS-PSU-N)
- Tamper protection
- Switchable 12V / 24V dc versions available
- Universal 90 to 264V ac mains input range
- Bespoke models and branding available
- 3 year warranty

Part No	Description	Max. Battery Size	Controller Options	Number of Controllers
ACCESS-PSU-N	13.8Vdc 2A N-Range SMPSU 275H x 330W x 80D (mm), 3.3kg	12V 17Ah	PAXTON; SALTO	1
ACCESS-PSU	13.8Vdc 2A BM SMPSU 275H x 330W x 80D (mm), 3.3kg	12V 7Ah	NEDAP; PAXTON; SALTO*; ADI HUB PRO; CDVI; HONEYWELL IB2 I/O	1
ACCESS-PSU1	13.8Vdc 4A BM SMPSU, 4-way Fused Output Module 380 H x 334 W x 85 D 4.0kg	12V 7Ah	NEDAP; PAXTON	2
			ADI HUB PRO; CDVI; HONEYWELL IB2 I/O	1
ACCESS-PSU2	13.8Vdc 4A BM SMPSU 4-way Fused Output Modules 500H x 400W x 80D (mm), 6.1kg	12V 17Ah	SALTO; ADI HUB PRO; HONEYWELL IB2 I/O HONEYWELL PRO22R2/ PRO32R2	2
			NEDAP; PAXTON*	4
ACCESS-PSU2-8A	13.8Vdc 8A / 27.6Vdc 4A Switchable SMPSU 4-way Fused Output Modules 500H x 400W x 80D (mm), 6.4kg	12V 17Ah	SALTO; ADI HUB PRO; HONEYWELL IB2 I/O HONEYWELL PRO22R2/ PRO32R2	2
			NEDAP; PAXTON*	4
MULTI-ACCESS-PSU2	13.8Vdc 8A / 27.6Vdc 4A Switchable SMPSU 8-way Fused Output Modules 515H x 478W x 146D (mm), 10.5kg	12V 17Ah	*Please contact Elmdene for further information.*	
ACCESS-EXP-PLATE	Single Expander Plate for the above (2 max)	12V 17Ah		
MULTI-ACCESS-PSU6	13.8Vdc 8A / 27.6Vdc 4A Switchable SMPSU 8-way Fused Output Modules 515H x 478W x 146D (mm), 11.5kg	12V 17Ah		

*Removal of "adaptor" plate required

TIP!

Add a **Fire FOM** to control individual outputs with an external signal such as a fire alarm.
See page 15 for more information.

Some part numbers within these ranges may be subject to MOQs

ELMDENE Protecting People & Property

www.elmdene.co.uk

Switch Mode Technology

UL CERTIFIED

Features

- Certified to UL294
- Compact, multi-controller enclosures
- PCB mounts for common controllers
- Unique enclosure design
- Front & rear enclosure tampers
- Mains Fail relay output
- Independent ancillary relay (8A version)
- Full rated current to load + 0.5A battery charging
- LED Fault indication

Part No	Description	Max. Battery Size	Controller Options	Qty
ACCESS-UL-PSU1	13.8Vdc 4A BM SMPSU 4-way Fused Output Modules, 440H x 250W x 115D (mm), 4.5kg	12V 7Ah	**Mercury Security:** EP2500; EP1502; EP4502; MR52; MR16IN; MR16OUT	1
			Mercury Security: EP1501; MR51e; MR50 **ProWatch (Honeywell):** PW6101	2
ACCESS-UL-PSU2	13.8Vdc 4A BM SMPSU 4-way Fused Output Modules, 505H x 407W x 80D (mm), 7.5kg	12V 17Ah	**Mercury Security:** EP2500; EP1502; EP4502; MR52; MR16IN; MR16OUT; MR50	2
			Mercury Security: EP1501; MR51e **ProWatch (Honeywell):** PW6101	4
MULTI-ACCESS-UL-PSU6	13.8Vdc 8A / 27.6Vdc 4A SMPSU, 8-way Fused Output Modules 515H x 478W x 146D (mm), 11.5kg	12V 17Ah	**Mercury Security:** EP2500; EP1502 ; EP4502 ; MR52 ; MR16IN ; MR16OUT	6
			Mercury Security: EP1501; MR51e; MR50 **ProWatch (Honeywell):** PW6101	12

CONTACT US!
To discuss our Access Control Range adapted for compatibility with widely-used door controllers in the French market, including:
CASTEL, EDEN, VAUBAN SYSTEMS, ADI, HID and more!

Some part numbers within this range may be subject to MOQs

ELMDENE Protecting People & Property   www.elmdene.co.uk   19

ELMDENE
Protecting People & Property
A POTTER Company

www.elmdene.co.uk

PoE+ OR **PoE++**

0.5A Battery
Charging

Data

12Vdc
1.5A or 3.0A
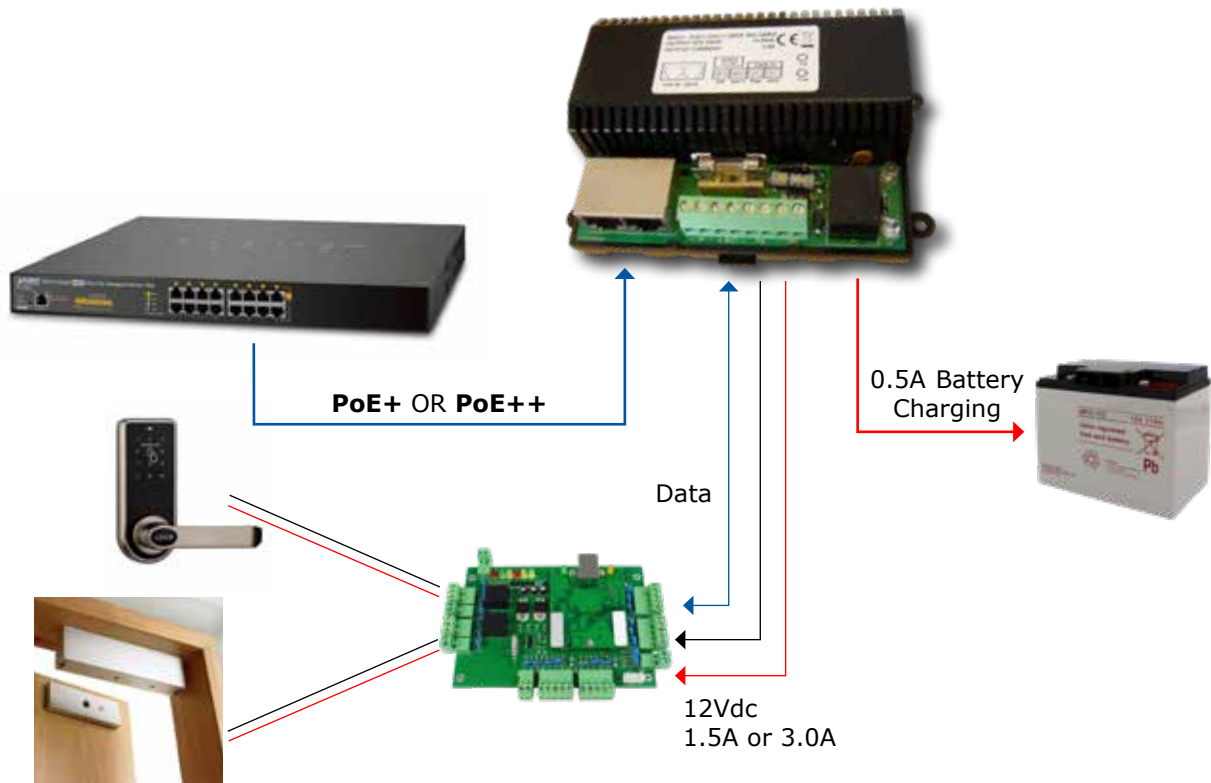
Part Number	Description	Dimensions
POE-ULTRAPOD-MOD	POE++ splitter DIN mountable module with battery charging and 12V 3A output	40 H x 125 W x 85 D
POE-ULTRAPOD-B	POE++ splitter with battery charging and 12V 3A output in a tampered metal enclosure capable of housing 1x access control board and 1x 12V 17Ah SLA battery	334 H x 380 W x 85 D

Features

- Converts PoE input to 12Vdc output
- Provides 12V dc, up to 3A to the device with an additional 0.5A for battery charging (PoE++ required)
- Offers battery back-up on loss of input PoE power
- Boxed unit has fixing points for commonly used access control boards
- Provides remote fault monitoring outputs:
  > PoE Input failure
  > Battery Low
- Data pass through for IP connections
- Powered remotely by:
  > PoE++   (PoE 802.3bt)
  > PoE+   (PoE 802.3at)
  > PoE   (PoE 802.3af)
- 3 year warranty

PoE Accessories

Part Number	Description
ELM-UPOE-SWITCH-8	8-Port Ultra PoE Ethernet Switch (Max 380W)
ELM-UPOE-INJ-8	8-Port Ultra PoE Injector Hub (Max 400W)
ELM-UPOE-INJ-16	16-Port Ultra PoE Injector Hub (Max 600W)
ELM-UPOE-INJ	Single port Ultra PoE Injector (Max 60W)
ELM-POE-INJ	Single port PoE Injector (Max 15W)
ELM-POE+INJ	Single port PoE Injector (Max 30W)

Some part numbers within these ranges may be subject to MOQs

AMS-EBIR4-BG   AMS-EBIR5-RG

Overview

The Infra-red request to exit devices designed for use in access control systems and provides a contactless means of requesting entry/exit.

Features

- New extended range
- "Touch-free" operation
- 12V – 24V dc operation
- Adjustable latch time and IR detection range

Part Number	Item	Dimensions
AMS-EBIR3-RG	Stainless steel, surface mount design, with Red/ Green LED	86 H x 86 W x 15 D
AMS-EBIR-BOX-SS	Brushed Steel Metal Surface box	32mm
AMS-EBIR-BOX	Chrome Effect Plastic Surface box	28mm
AMS-EBIR4-BG	Large surface mount design, with Blue/ Green LED	260 H x 80 W x 28 D
AMS-EBIR5-RG	Discreet surface mount design with Red/ Green LED	80 H x 80 W x 28 D

Some part numbers within this range may be subject to MOQs

www.elmdene.co.uk

FIRE & AOV Solutions

FIRE Power Supplies

			STX range	ST range	TR range
Output Voltage	24V dc	27.6Vdc output for 24V devices	●	●	●
Input Voltage	110VAC		●		
	240VAC		●	●	●
Output Current	1A	Maximum rated load current	●	●	●
	2A	Maximum rated load current	●	●	●
	3A	Maximum rated load current	●	●	●
	4A	Maximum rated load current	●	●	●
	5A	Maximum rated load current	●	●	
	8A	Maximum rated load current	●		
	10A	Maximum rated load current	●		
Features	SLA Battery Charging	On-board battery charging for emergency backup lead-acid batteries	●	●	
	Low battery warning	Signal to warn mains power as been lost	●	●	
	Mains fail warning	Signal to warn the PSU has an internal fault	●	●	
	PSU Fault warning	Signal to warn the battery has a fault	●	●	
	Battery Fault warning	Low battery cut-off, which prolongs the life of battery	●	●	
	Battery deep discharge protection	Visual identificaiton on PSU lid	●	●	
	LED indication	Multiple fused outputs enable multiple devices to be powered, with glass fuse protetion	●	●	●
	Multiple fused outputs (glass fuse) - options	Enables a fire alarm signal to remotely operate the PSU output (on/off)		●	
	Remote control of output/Fire Alarm interface	Enclosure for PSU and battery is made from steel			●
Mounting options	Steel enclosure (white)	Power module is able to fix to standard DIN rail for custom installations	●	●	●
	DIN rail fixing / module only	Standard warranty for Elmdene PSUs	O	O	
	Warranty (3 years)	PSU will operate to full load within these temperatures	●	●	●
	Operating Temp -10 to +40oC	Minimal requirement for electronic products within UK and EU	●	●	●
Product Standards	CE/UKCA compliant	UL approval needed for USA, South America and Middle East markets	●	●	●
	UL approved	German approval body	UL-EU		
	VDS approved	Mandatory requiement for fire power supplies		●	
	EN54-4 approved (CPR)	Mandatory requirment for AOV (Automatic Opening Vent) power supplies	●	●	
	EN12101-10 approved (CPR)	Extra approval for Factory (Spain market)		●	
	System Level 5 approved (FPC)	Fire door retainer installation guidance - meets the needs of	●	●	
	BS7273 compliant (door retainer)	Fire door retainer installation guidance - meets the needs of			●
Application	Fire		●	●	
	AOV			●	
	Door Retainer				●

KEY: O = Option available

ELMDENE
Protecting People & Property
A ⓟPOTTER Company

Switch Mode Technology

UL EU

Overview

These ranges of switch mode power supplies have been designed specifically for fire systems and are certified to EN54-4:1997, A1:2002 & A2:2006.

Features

- 27.6V dc output
- Intelligent battery charging and monitoring - utilises Elmdene Eco- Charge technology
- Remote fault signalling
- Full rated current to load plus additional current for battery charging
- Serial commmunication available for OEM applications on request
- 3 year warranty

Approvals & Certification

STX certified by UL to:
EN54-4:1997, A1: 2002, A2: 2006

UK CA   CE

Part Number	Amp Rating	Dimensions	Will Fit Battery Size
STX2401-T	1.0	300 H x 240 W x 60 D	2 x 12V 1.2Ah
STX2401-C		275 H x 330 W x 80 D	2 x 12V 7Ah
STX2402-C	2.0		
STX2402-E		420 H x 400 W x 80 D	2 x 12V 17Ah
STX2405-C	5.0	275 H x 330 W x 80 D	2 x 12V 7Ah
STX2405-E		420 H x 400 W x 80 D	2 x 12V 17Ah
STX2410-E	10.0		
STX2410-H	8.0	420 H x 420 W x 180 D	2 x 12V 38Ah
STX2410-E + BATT-BOX-65	7.2	420 H x 400 W x 80 D	2 x 12V 65Ah
	N/A	534 H x 465 W x 267 D	

Some part numbers within this range may be subject to MOQs

ELMDENE Protecting People & Property A POTTER Company

Switch Mode Technology

VdS

NEW!

Overview

A range of power supplies specifically designed for fire alarm systems and certified by VDS (VdS 2541) to EN54-4 and for AOV systems to EN12101-10 by AFNOR.

Features

- 1A, 2A and 5A versions
- 7Ah, 12Ah, 24Ah, 38Ah, 65Ah battery options
- Exterior Engineers Diagnostic LED, allowing for faster system diagnosis
- Dual outputs allow for compliant remote installation, from control panel (Dual Path) or used as two independent monitored outputs.
- Additional battery box available for 5A models

Part Number	Amp Rating	Dimensions	Will Fit Battery Size
2401ST-T	1.0	300 H x 240 W x 60 D	2 x 12V 1.2Ah
2401ST-C		275 H x 330 W x 80 D	2 x 12V 7Ah
2402ST-C	2.0	275 H x 330 W x 80 D	
2402ST-E		420 H x 400 W x 80 D	2 x 12V 17/18Ah
2402ST-K		325 H x 350 W x 105 D	2 x 12V 12Ah
2402ST-H		420 H x 420 W x 180 D	2 x 12V 24Ah / 38Ah
2405ST-C	5.0	275 H x 330 W x 80 D	2 x 12V 7Ah
2405ST-E		420 H x 400 W x 80 D	2 x 12V 17Ah
2405ST-K		325 H x 350 W x 105 D	2 x 12V 12Ah
2405ST-H		420 H x 420 W x 180 D	2 x 12V 24Ah / 38Ah
BATT-BOX-65	N/A	534 H x 465 W x 267 D	2 x 12V 65Ah

Approvals & Certification

EN54-4/ A2 - "Fire detection and Alarm Systems": Certified by VDS
EN12101-10 - "Smoke and Heat control systems": Certified by AFNOR

CONTACT US!
To discuss our French market approved **NF-508, NF S 61-940**, EN54-4 and EN12101-10 **STV Power Supply Range**

Some part numbers within this range may be subject to MOQs

ELMDENE
Protecting People & Property
A POTTER Company

www.elmdene.co.uk

25

Overview

Designed for fire and access control applications that require control of the power supply output. For example, to power door retainers, with a link to the fire panel in order to switch off the output to the doors in the event of a fire alarm activation.

All models are now configurable for Fail Safe operation, complying to BS7273.

Features

- 27V dc nominal output
- Remote control of output
- Choice of switching options:
  - Closing of a normally open Volt-free contact
  - Opening of a normally closed Volt-free contact
  - Removal of an external 24V dc supply
- BS7273 Compliant
- Mains transient protection
- 3 year warranty

Part Number	Amp Rating	Dimensions
TRS1	1.0	185 H x 200 W x 53 D

Part Number	Amp Rating	Dimensions
TR2	2.0	200 H x 230 W x 80 D
TR4	4.0	

Note: This range is not suitable for use with standby batteries.

Some part numbers within this range may be subject to MOQs

www.elmdene.co.uk

Fire Signalling Interface

Overview

A fully monitored signalling interface for use in installations where fire and intruder systems signal via a shared communication device. It provides independent access for fire and intruder engineers.

Features

- Two separate compartments giving physical segregation
- Both sections are independently monitored for tamper
- Shunt key switch function
- 3 year warranty

Part Number	Dimensions
FSI-01	107 H x 170 W x 40 D

A4 Fire Document Box

Overview

Document boxes ideal for the safe keeping of important Fire system documents & log books. Formed from red powder coated steel with cam lock. The box is branded for Fire applications with a white 'Fire' logo.

Features

- Branded for Fire applications
- A4 and Lever Arch versions available
- All units are keyed alike
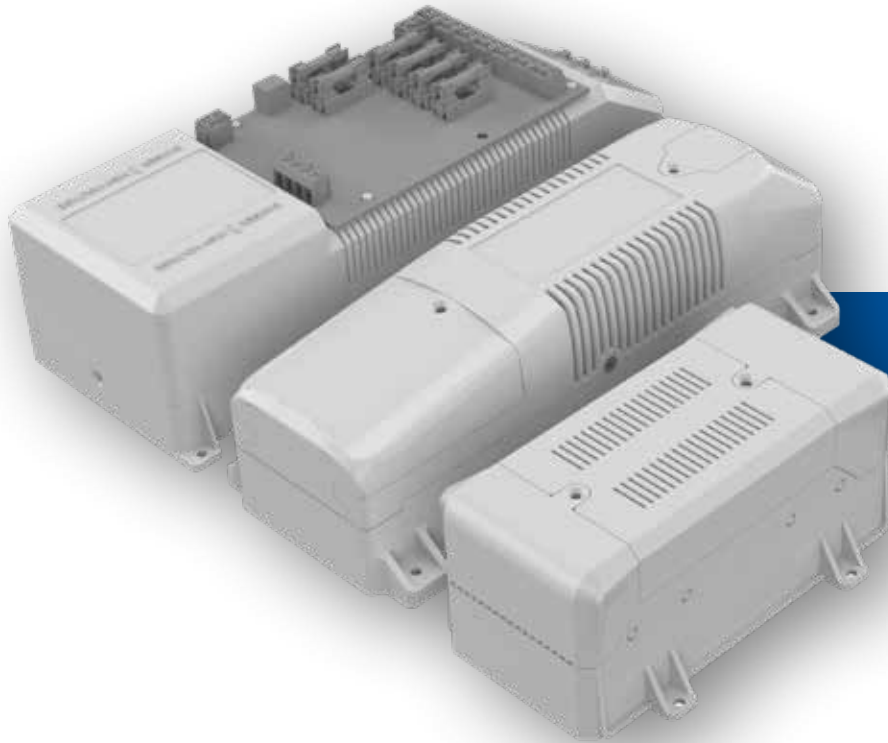- Provided with 2 keys
- 5 year warranty

Part Number	Dimensions
A4-DOC-BOX-R-FIRE	300 H x 235 W x 50 D

Some part numbers within these ranges may be subject to MOQs

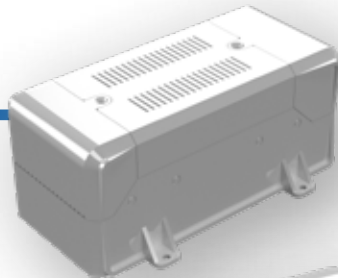# LITHIUM Battery Power

Simplicity in Power Supply Integration

COMING SOON!
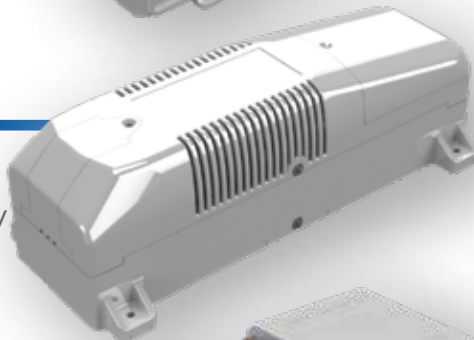
12V PSUs with Internal Lithium Battery Back-up

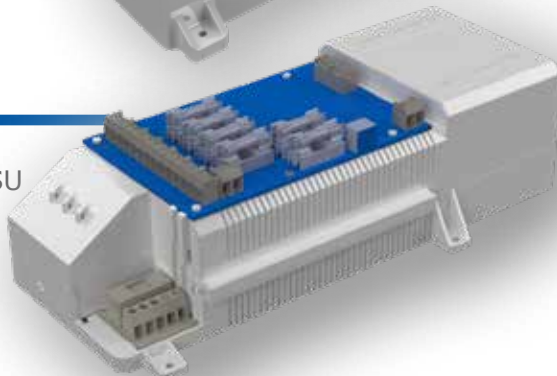### Li12-01

13.8V dc **1A** SMPSU
LiFePO4 standby battery

Li12-03

13.8V dc **3A** SMPSU
LiFePO4 standby battery

Li12-05

13.8V dc **5A** SMPSU
LiFePO4 standby
battery

Benefits of Lithium Power

Space Saving
Compact design, reducing power
supply and battery footprint by up
to **50%**

Longer Life
10 year life expectency, with no
need to recharge every 6 months!

High Performance
Designed for higher temperature
environments

Contact us for more details

ELMDENE
Protecting People & Property
A P POTTER Company

www.elmdene.co.uk

Reliable Power for CCTV Systems

			12V VRS range	12V VRS-e range	24V Vision range
Output Voltage	12V dc	13.8Vdc output for 12V devices	●	●	
	24V dc	27.6Vdc output for 24V devices			●
	24V AC	24VAC output for 24Vac devices			●
Input Voltage	110VAC		●	●	
	240VAC		●	●	●
Output Current	1A	Maximum rated load current	●	●	●
	2A	Maximum rated load current	●	●	●
	3A	Maximum rated load current	●	●	●
	4A	Maximum rated load current	●	●	●
	5A	Maximum rated load current			●
	8A	Maximum rated load current	●		●
	10A	Maximum rated load current			●
	16A	Maximum rated load current	●		●
	18A	Maximum rated load current	●		
	20A	Maximum rated load current	●		●
Features	LED indication	Visual identificaiton on PSU lid	●		
	Multiple fused outputs (glass fuse) - options	Multiple fused outputs enable multiple devices to be powered, with glass fuse protetion	●		●
	Multiple fused outputs (PTC fuse)	Multiple fused outputs enable multiple devices to be powered, with self-resetting fuse protection	O		
	Encapsulated (DC jack plug)	Output plug is 2.1mm jack plug		●	
Mounting options	IP rated enclosure for outdoor use	IP67 rated plastic enclosure for outdoor installations	O		O
	Steel enclosure (white)	Enclosure for PSU and battery is made from steel	●		●
	19" Rack enclosure (2U)	Low profile enlcosure for 19" cabinet racks	O		O
	Warranty (3 years)	Standard warranty for Elmdene PSUs	●	●	●
	Operating Temp -10 to +40oC	PSU will operate to full load within these temperatures	●	●	●
Product Standards	CE/UKCA compliant	Minimal requirement for electronic products within UK and EU	●	●	●
Typical Application	CCTV		●	●	●

KEY: O = Option available

Protecting People & Property

A POTTER Company

Switch Mode Technology
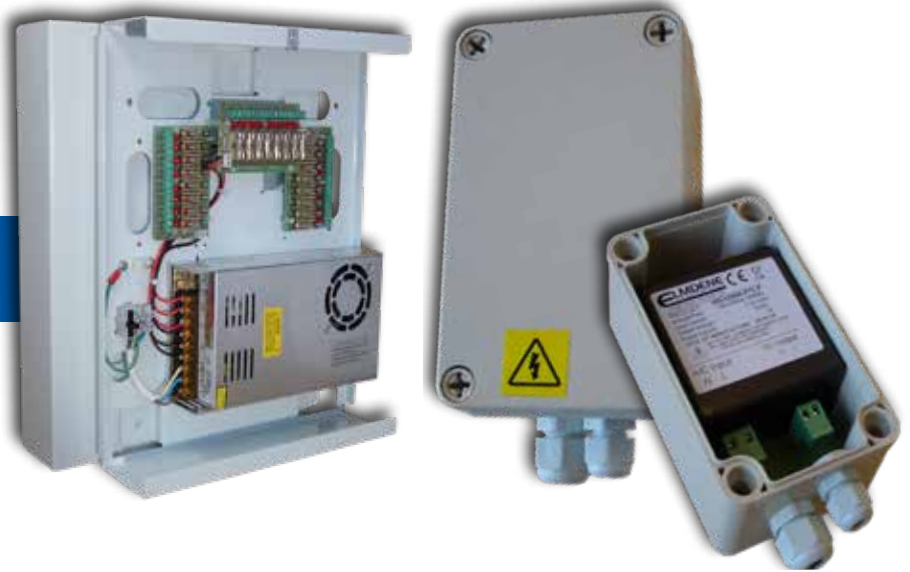
IP rated enclosures for outdoor use and **Rack Mounted** options

Overview

A wide range of boxed power supplies designed for CCTV applications offering single and multiple fused outputs, including IP rated (external) options.

Features

- 12V dc output
- 2A, 4A, 8A, 16A, 18A and 20A options
- 18A Rack mount model
- Plastic IP Rated models
- Options for multiple fused outputs
- Supplied with glass output protection fuses
- Maintenance free PTC fuse options upon request
- 3 year warranty

Part Number	Amp Rating	Dimensions	Fused Outputs
VRS122000-PTC-P	2.0	130 H x 80 W x 75 D	1 x 2A PTC
VRS124000-J	4.0	185 H x 200 W x 53 D	1 x 4A
VRS124000-2-J			2 x 2A
VRS124000-4-J			4 x 1A
VRS124000-8-J			8 x 0.5A
VRS124000-P		250 H x 150 W x 100 D (IP68)	1 x 4A
VRS124000-2P			2 x 2A
VRS124000-4P			4 x 1A
VRS124000-8P			8 x 0.5A
VRS124000-4-T		300 H x 240 W x 60 D	4 x 1A
VRS124000-8-T			8 x 0.5A
VRS128000-2-T	8.0	300 H x 240 W x 60 D	2 x 4A
VRS128000-4-T			4 x 2A
VRS128000-8-T			8 x 1A
VRS128000-16-T			16 x 0.5A
VRS1218000-18	18.0	19" 2U Rack 70 H x 437 W x 210 D	18 x 1A PTC
VRS1216000-16-S	16.0	345 H x 288 W x 90 D	16 x 1A
VRS1220000-24-S	20.0		24 x 0.8A

Some part numbers within this range may be subject to MOQs

ELMDENE
Protecting People & Property
A POTTER Company

www.elmdene.co.uk

Switch Mode Technology

Overview

A range of energy efficient encapsulated power supplies specifically designed for CCTV applications. Units come fitted with either a UK (part numbers ending EB) or Euro (part numbers ending EE) mains plug. All models are available with a universal 2.1mm dc output jack socket.

Features

- Regulated 12V dc output
- 1A to 5.0A versions available
- UK or European mains plug
- 2.1mm dc output plug
- 4 and 8 way splitter versions available (see table)
- 2.1 to 2.5mm adaptor available
- 3 year warranty

Part Number	Amp Rating	UK/Euro Plug	4-Way Output Splitter	Dimensions (Main body)
VRS121000EB	1.0	UK		65 x 45 x 25
VRS121000EE		Euro		
VRS122000EB	2.0	UK		78 x 52 x 25
VRS122000EE		Euro		
VRS122000EB-4		UK	Y	
VRS123500EB	3.5	UK		
VRS123500EE		Euro		
VRS123500EB-4		UK	Y	
VRS125000EB	5.0	UK		112 x 54 x 32
VRS125000EE		Euro		
VRS125000EB-4		UK	Y	
VRS125000EE-4		Euro	Y	
Accessories				
SPLITTER-4	1 to 4-way 2.1mm output splitter			400 Length
SPLITTER-8	1 to 8-way 2.1mm output splitter			400 Length
MCP101016	2.1 to 2.5mm adaptor			N/A

Some part numbers within this range may be subject to MOQs

Overview

Designed for CCTV applications featuring both 24V ac and dc units including IP rated options.

Features

- 24V ac and 24v dc options
- Metal boxed or plastic IP rated enclosure
- 2A, 4A, 6A, 8A and 16A models
- Single and multiple fused output
- 3 year warranty

DC Models:

Part Number	Amp Rating	Box Size	Fused Outputs
VRS242000-J	2A	185 H x 200 W x 53 D	1 x 2A
VRS242000-2-J			2 x 1A
VRS242000-4-J			4 x 0.5A
VRS242000-8-J			8 x 0.25A
VRS242000-2P		250 H x 150 W x 100 D (IP68)	2 x 1A
VRS244000-4-T	4A	300 H x 240 W x 60 D	4 x 1A

PTC fuse options available upon request.

AC Models:

Part Number	Amp Rating	Dimensions	Fused Outputs
VR241000EB	1.0	Encapsulated	1 x 1A
VR2420	2.0	100 H x 150 W x 65 D	1 x 2A
VR2420-4			4 x 0.5A
VR2440	4.0	185 H x 200 W x 53 D	1 x 4A
VR2440-2			2 x 2A
VR2440-4			4 x 1A
VR2440-8			8 x 0.5A
VR2460-4	6.0		4 x 1.5A
VR2480-T	8.0	300 H x 240 W x 60 D	1 x 8A
VR2480-2-T			2 x 4A
VR2480-4-T			4 x 2A
VR2480-8-T			8 x 1A
VR24160-8-S	16.0	345 H x 288 W x 90 D	8 x 2A
VR24160-16-S			16 x 1A
VR2440-P	4.0	IP66 182 H x 182 W x 90 D	1 x 4A
VR2440-2P			2 x 2A
VR2440-4P			4 x 1A
VR2460-4P	6.0		4 x 1.5A
VR2480-P	8.0	IP66 200 H x 200 W x 100 D	1 x 8A
VR2480-4P			4 x 2A

Some part numbers within this range may be subject to MOQs

www.elmdene.co.uk

Compliant PSUs & Devices for Intruder systems

EN50131-6 Approved Intruder Power Supplies

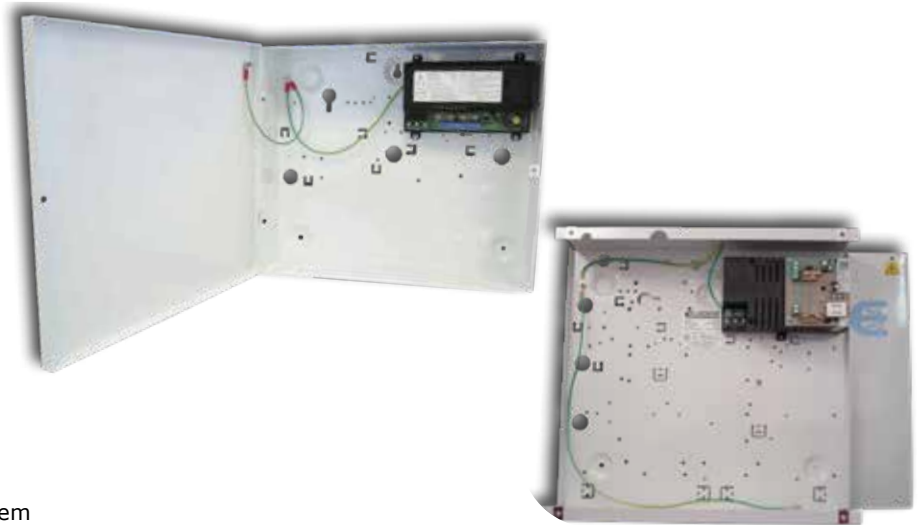|			GEN range
Output Voltage	12V dc	13.8Vdc output for 12V devices	●
Input Voltage	110VAC		●
	240VAC		●
Output Current	1A	Maximum rated load current	●
	2A	Maximum rated load current	●
	3A	Maximum rated load current	●
Features	SLA Battery Charging	On-board battery charging for emergency backup lead-acid batteries	●
	Lid Tamper	Signal to warn lid has been opened	G2 G3
	Wall Tamper	Signal to warn PSU has been removed from wall	G3
	Low battery warning	Signal when battery voltage becomes low	●
	Mains fail warning	Signal to warn mains power as been lost	●
	PSU Fault warning	Signal to warn the PSU has an internal fault	●
	Battery Fault warning	Signal to warn the battery has a fault	●
	Battery deep discharge protection	Low battery cut-off, which prolongs the life of battery	●
Mounting options	Steel enclosure (white)	Enclosure for PSU and battery is made from steel	●
	DIN rail fixing / module only	Power module is able to fix to standard DIN rail for custom installations	●
	Warranty (3 years)	Standard warranty for Elmdene PSUs	●
	Operating Temp -10 to +40oC	PSU will operate to full load within these temperatures	●
Product Standards	CE/UKCA compliant	Minimal requirement for electronic products within UK and EU	●
	EN50131-6 Grade 2 approved	Mandatory requirement for Grade 2 intruder systems	●
	EN50131-6 Grade 3 approved	Mandatory requirement for Grade 3 intruder systems	O
	System Level 5 approved (FPC)	Extra approval for Factory (Spain market)	O
Typical Application	Intruder		●

KEY: O = Option available ; **G2** = Grade 2 ; **G3** = Grade 3

ELMDENE
Protecting People & Property
A ⓟ POTTER Company

Switch Mode Technology

GRADE 2
System 5 Registration

GRADE 3
System 5 Registration

Overview

Specifically designed for Intruder system applications where compliance to EN50131-6 is required.

Features

- Grade 2 and 3 compliant options
- Mains fail / battery fault monitoring / low output
- Range of battery and enclosure options
- Deep discharge battery protection
- EN50131-6 compliant
- 3 year warranty

Approvals & Certification

GEN2 Compliant with EN50131-6:2017, Kiwa Certified

GEN3 Compliant with EN50131-6:2017, Kiwa Certified

PD6662:2017

ISO/IEC guide 67 System 5 Registration, Telefication (Kiwa) Certified - Continued Compliance

Part Number	Amp Rating	Dimensions	Will Fit Battery Size
GEN2-08-A	1.0	200 H x 230 W x 80 D	1 x 7 or 8Ah
GEN2-08-B		330 H x 355 W x 80 D	
GEN2-18-B	1.5	330 H x 355 W x 80 D	1 x 17 or 18Ah
GEN2-18-C		275 H x 330 W x 80 D	
GEN3-08-A	1.0	200 H x 230 W x 80 D	1 x 7 or 8Ah
GEN3-08-B		330 H x 355 W x 80 D	
GEN3-08-C		275 H x 330 W x 80 D	
GEN3-18-B	1.5	330 H x 355 W x 80 D	1 x 17 or 18Ah
GEN3-18-C		275 H x 330 W x 80 D	
GEN3-34-R*	3.0	410 H x 390 W x 86 D	2 x 12V 17Ah

*Meets the requirements of EN50131-6

Some part numbers within this range may be subject to MOQs

ELMDENE
Protecting People & Property
A POTTER Company

www.elmdene.co.uk

Rapier

A range of stainless steel sounders that fully meet the requirements of EN50131-4:2019 Grade 3 and 4.

Features

- Low power operation: 10mA standby, 180mA full alarm
- Environmental class IV
- Battery and Piezo self-test with fault output

Part Number	Grade	Sound Output at 1M	Dimensions
RAPIER-G4S	4		
RAPIER-G3S	3	113dB(A)	342 H x 221 W x 55 D
RAPIER-G3W			

Approvals & Certification

- PD6662:2017
- EN50131-1:2006
- EN50131-4:2019
- EN61000-6-3

Some part numbers within these ranges may be subject to MOQs

INT400 & 600

INT500

Inter Range

This range of internal sounders is available in three versions:

- Alarm only
- Alarm & Exit/Entry
- Alarm, Exit/Entry & Strobe

Each with or without internal battery for SAB or direct operation. 12V dc, with tough polycarbonate cover and backplate.

Approvals & Certification
- PD6662:2017
- EN50131-1:2006
- EN50131-4:2019

Part Number	Grade	Description	Sound Output at 1M	Dimensions
400	3	Alarm only		
400(S)	2	Alarm only with NiCad battery for SAB operation		
500	3	Alarm & Entry/Exit sounder with strobe		
500(S)	2	Alarm & Entry/Exit with strobe and NiCad battery for SAB operation	110dB(A)	110 H x 160 W x 40 D
600	3	Alarm & Entry/Exit sounder		
600(S)	2	Alarm & Entry/Exit sounder with NiCad battery for SAB operation		

Some part numbers within this range may be subject to MOQs

ELMDENE
Protecting People & Property
A Ⓟ POTTER Company

www.elmdene.co.uk

Magna

The Magna G3 external siren has been designed for the European security market and is certified to EN50131-4:2019 Grade 3.

Features
- Environmental Class IV
- Silent start up
- Battery monitoring with fault output
- 5 year warranty

Approvals & Certification
- EN50131-1:2006
- EN50131-4:2019
- EN61000-6-3
- NFa2P 3 Shield Approved

Part Number	Grade	Sound Output at 1M	Dimensions
MAGNA-F	3	105dB	350 H x 200 W x 75 D

Rapier-6510

A stainless steel sounder that fully meet the requirements of EN50131-4:2019 Grade 3.

Features
- Low power operation: 10mA standby, 180mA full alarm
- Environmental class IV
- Battery and Piezo self-test with fault output

Approvals & Certification
- PD6662:2017
- EN50131-1:2006
- EN50131-4:2019
- EN61000-6-3
- INCERT (RAPIER-6510)

Part Number	Sound Output at 1M	Dimensions
RAPIER-6510	113dB(A)	342 H x 221 W x 55 D

Some part numbers within these ranges may be subject to MOQs

SI500

A robust European style internal siren designed for use in domestic and commercial applications.

Features

- 12V dc operation
- 116db(A) sound level
- Grade 2, Environmental Class II
- Robust steel enclosure
- Selectable 15/30 min timer
- 3 year warranty

Part Number	Sound Output at 1M	Dimensions
SI500	116dBA	192 H x 183 W x 55 D

Approvals & Certification

- NFa2P (2 Shield)
- EN50131-4

Some part numbers within these ranges may be subject to MOQs

www.elmdene.co.uk

Magnetic Contacts

For use with wired alarm systems, to protect windows, doors and roller shutters.
Elmdene have a vast range of Grade 1, 2 and 3 magnetic contacts, in Metal or Plastic, Flush or Surface mount, to suit the application.

Grade 3 Metal and Plastic Contacts Flush mounted or Surface mounted Contacts.

	Part Number	Grade	Env/ Class	Type	Potted/ Terminal	Metal/ Plastic	Operating Gap (mm)	Resistors	Dimensions (mm)
	EN3-QFC-GN EN3-QFC-GY EN3-QFC-RD			Flush	Potted	p	13	1k/1k 4k7/4k7 4k7/2k2	20mm dia. 27mm depth
	EN3-QSC-GN EN3-QSC-RD	3	III	Surface	Potted	P	11	1k/1k 4k7/2k2	70 L x 17 W x 15 D
	EN3-LSC-GN EN3-LSC-GY EN3-LSC-RD			Surface	Potted	P	7	1k/1k 4k7/4k7 4k7/2k2	93 L x 25 W x 25 D
	EN3-RSA-GN EN3-RSA-RD			Roller Shutter	Potted	M	18	1k/1k 4k7/2k2	150 L x 40 W x 14 D

Some versions also meet the requirements for Nfa2P. Please contact us for more information on these items.

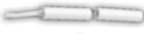*Some part numbers within this range may be subject to MOQs*

Features
- Ideal for single or multiple doors
- Cabled or Terminal
- Environmental class II and III
- 5 year warranty

Approvals & Certification
- PD6662:2017
- EN50131-1:2006
- EN50131-2-6:2008

Grade 1 & 2 Metal and Plastic Contacts Flush mounted or Surface mounted Contacts.

	Part Number	Grade	Env/ Class	Type	Potted/ Terminal	Metal/ Plastic	Operating Gap (mm)	Resistors	Dimensions (mm)
	QF-5	1	II	Flush	Terminal	P	16	n/a	20mm dia
	6QFC-GN 6QFC-GY 6QFC-RD	2	III	Flush	Potted	P	20	1k/1k 4k7/4k7 4k7/2k2	20mm dia
	6F-GN	2	III	Flush	Potted	P	10	1k/1k	7.5mm dia
	6FM2-BL 6FM2-GN	2	III	Flush	Potted	M / P	20	8k2/8k2 1k/1k	25mm dia
	QFT-GN QFT-RD	2	II	Flush	Terminal	P	10	1k/1k 4k7/2k2	20mm dia
	RFT-RD	2	II	Flush	Terminal	P	10	4k7/2k2	20mm dia
	QST-GN QST-RD	2	II	Surface	Terminal	P	20	1k/1k 4k7/2k2	70 L x 17 W x 15 D
	LST-BL LST-GN LST-RD/GN	2	II	Surface	Terminal	P	40	8k2/8k2 1k/1k 4k7/2k2 - 1k/1k	93 L x 25 W x 25 D
	6S-GN 6SL-GN	2	III	Surface	Potted	P	15 20	1k/1k 1k/1k	38 L x 14 W x 8.5 D 65 L x 17 W x 15 D
	6SM-GN	2	III	Surface	Potted	M	15	1k/1k	38 L x 16 W x 9.5 D
	6HD-GN 6HD-SO-GN 6HD-SO-100-SS-RD	2	III	Surface	Potted	M	25	1k/1k 4k7/2k2	80 L x 19 W x 12.5 D 80 L x 32 W x 45 D
	VHDA-GN	2	II	Surface	Terminal	M / P	42	1k/1k	170L x 25W x 25D
	6RSA-100-BL 6RSA-100-GN 6RSA-100-RD	2	III	Roller Shutter	Potted	M	55	8k2/8k2 1k/1k 4k7/2k2	150L x 40W x 14D

Some part numbers within these ranges may be subject to MOQs

www.elmdene.co.uk

Overview

The EN range of junction boxes feature a high reliability spring action micro switch for the lid tamper providing real peace of mind when connecting the tamper to the junction box.

Features

- Shrouded spring action microswitch tamper
- Clamp style terminals (except EN3-JB9-HD)
- IP67 rating for EN3-JB9-HD
- Accommodates various wiring systems:
  - cable
  - trunking
  - conduit
- 5 year warranty

Approvals & Certification

- PD6662:2017
- EN50131-1:2006

	Part Number	Terminations	Grade	Env Class	Dimensions: L x W x D
	EN3-JB7	7	3	II	93 x 25 x 26
	EN3-JB10	10			
	EN3-JB26	26			124 x 100 x 45
	EN3-JB9-HD	9		III	94 x 40 x 25

Some part numbers within this range may be subject to MOQs

Panic Buttons
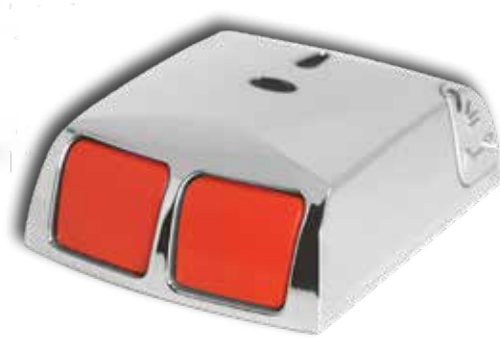
Overview

Double push Panic buttons ergonomically designed and ideal for use in commercial and domestic installations.

Features

- Silent operation
- FSL and DP connection options
- Multiple control panel/resistor options
- Cover and rear tamper
- 5 year warranty

Part Number	Colour	Dimensions
ELM-PA-G3-W	White	80 L x 62 W x 27 D
ELM-PA-G3-SS	Stainless steel (plated finish)	

Safe Limpets

Overview

Designed for the protection of safes, filing cabinets, fruit machines and any valuable article or piece of equipment that has a ferrous metal exterior.

Features

- Grade 3, Environmental class II
- Vibration detection
- Integral analyser
- Thermal sensor
- Proximity sensor
- Magnetic Interference Detection (E20)
- 3 Year warranty

Part Number	Dimensions
LIMPET-E20	120 H x 95 W x 52 D
LIMPET-KEEP	130 H x 105 W x 30D
Keyhole Aperture: 45mm Ø	

Some part numbers within this range may be subject to MOQs

Magnetic Set Switch (SETSWITCH)

Overview

This device is a discrete ferrous metal sensitive switch.

Features

- N/O contact, momentary close by presenting metal tag
- 2 x screw terminal connctions for N/O contacts
- Available in white and brown

Part Number	Dimensions
SETSWITCH	Flange 50 x 26 Body diameter 19, depth 33
SETSWITCH-BN	

Push Set Switch (SS2)

Overview

This is a simple 'door bell' style push switch with LED indicator ring.

Features

- N/O contact, push to close
- Red LED bezel, 12V operation
- 2 x screw terminals connections for N/O push
- 2 x screw terminals for LED +12V/0V
- Available in white and brown

Part Number	Dimensions
SS2-W	Flange 48 x 26 Body diameter 19, depth 13
SS2-B	

Some part numbers within these ranges may be subject to MOQs

Flush Extension Speakers
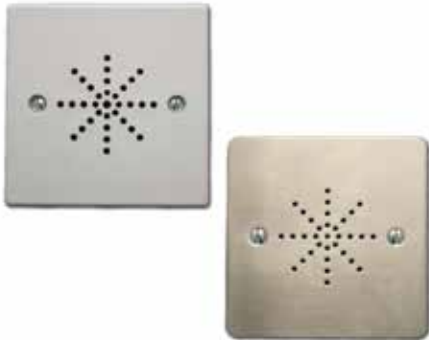
Overview

A range of flush extension speakers designed to be used with all common Intruder panels. Offering a more aesthetic look compared to standard types.

Features

- Flush or surface mount
- Single gang size
- White plastic or brushed steel options
- Provided with 16Ω speaker
- Tampered
- 3 year warranty

Part Number	Dimensions
EXTSP-16T-SS	87 H x 87 W x 20 D
EXTSP-16T-W	

Part Number	Accessory
EXTSP-BOX-SS	32mm Surface Box - Brushed Steel

Extension Speakers

Overview

A range of extension speakers for use in intruder alarm systems and retail security.

Features

- 8Ω and 16Ω units available
- 20W rating
- Tampered Enclosure (16T Model)
- Polycarbonate enclosure
- 3 year warranty

Part Number	Dimensions
TS443-16T	
TS443-16	110 H x 110 W x 55 D
TS443-8	

Some part numbers within these ranges may be subject to MOQs

DIN Rail POWER SUPPLIES

12V Ranges

G Range N Series Page 08
G13801NU, G13802NU, G13803NU,
G13804NU, G13804NU-4, G13805NU

G Range BM Series Page 09
G13801BMU, G13802BMU, G13803BMU,
G13804BMU, G13805BMU

24V Ranges

G Range N Series Page 10
G2401NU, G2402NU

G Range BM Series Page 11
G2401BMU, G2402BMU

STX (1A & 2A version) Page 24

For various applications

ELMDENE
Protecting People & Property
A POTTER Company

Make your product **STAND OUT!**

Custom Designed Enclosures

Elmdene now offer a bespoke OEM enclosure service. Our team are on hand to work with you on implementing a completely individual design for metal enclosure housings, to meet your needs and specifications.

From concept to production, Elmdene will support at every stage to ensure the enclosure meets the requirements of your product. Whether you need it to suit outdoor or indoor applications, wall-mounted or rack-mounted; our service will provide a solution that will help bring your product to market.

Elmdene can offer a **Cost Effective** solution and **Short Lead Times** - typically 6-8 weeks (from design sign-off to delivery).*

If you have a special requirement, please contact us to see how we can work together.

MOQs apply and Lead Times are subject to project requirements

Why choose bespoke?

Designed to your specification
Our specialist design team will develop your enclosure to suit the requirements and application of your product, to any size, colour or shape.

Save money on development costs
Using our bespoke services will save time and money on developing a bespoke enclosure in-house and will free up your internal resources

www.elmdene.co.uk
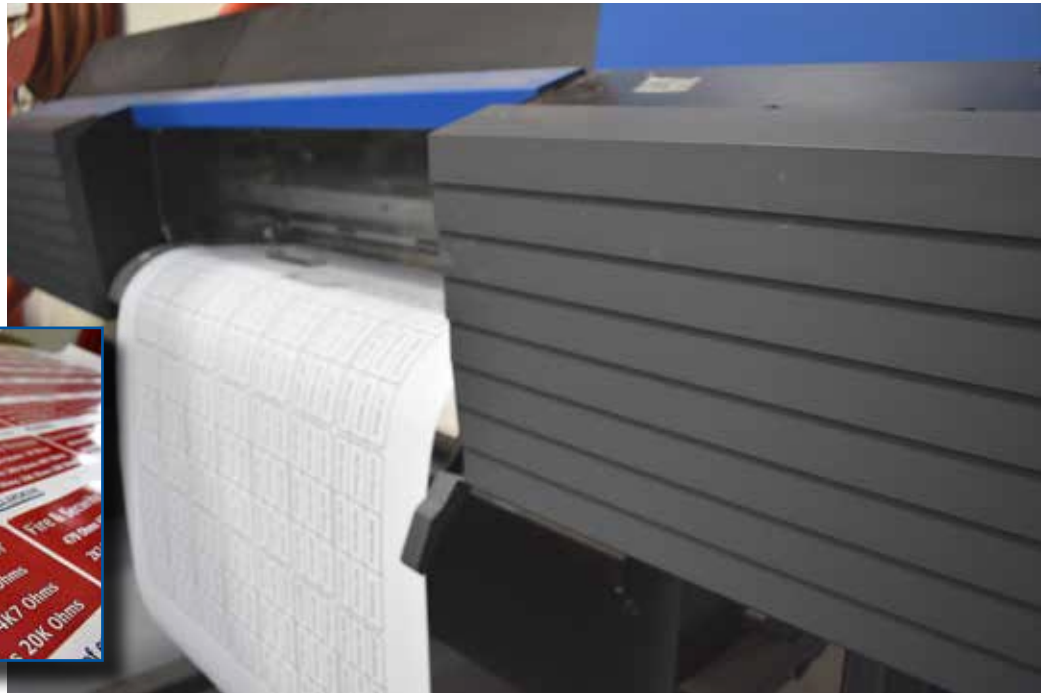
Have your products branded with your own company logo

Elmdene offer a vinyl labelling or printing service for most PSUs and Sounders, giving your products a professional look to enhance your company's branding.

All branding is done in-house by our specialist technicians who have expertise in printing the most intricate of logos.

Please contact us to find out more about this service.*

Benfits of Branding Products with your Logo

- **Builds customer recognition and loyalty**
Customers are more likely to choose a brand they recognise.

- **Provides competitive advantage**
Attracts attention of potential customers.

- **Premium image**
Projects an image of quality and reliability in your products.

Subject to MOQs. Logo artwork to be supplied in compatible format.

Keep in touch!

Make sure you get all the latest Elmdene news and product information online:

Connect with us on LinkedIn
linkedin.com/company/Elmdene-International-Ltd

Watch us on YouTube
youtube.com/ElmdeneInternational

Join us on Twitter
twitter.com/ElmdeneIntLtd

Follow us on Instagram
@elmdeneint

Like us on Facebook
facebook.com/ElmdeneInternationalLtd

www.elmdene.co.uk

ELMDENE
Protecting People & Property
A POTTER Company

Elmdene International Ltd
3 Keel Close, Interchange Park
Portsmouth, Hampshire, PO3 5QD, UK
Tel +44 (0)23 9269 6638
Fax +44 (0)23 9266 0483

Email: sales@elmdene.co.uk