



RGL Electronics Ltd.
Pelham Works,
Pelham street,
Wolverhampton,
West Midlands.
WV3 0BJ

Office Hours:
Monday to Friday
8.30am – 5.00pm

Sales Tel. +44 (0) 1902 656667
Sales Fax. +44 (0) 1902 427394
Email: sales@rgl.co

www.rgl.co



Product Brochure

RGL – Design & Manufacturing for the Fire & Security Industries.

RGL Electronics Limited was founded in 1999 and is now established as one of the leading suppliers of both 12 and 24 volt power supplies for the Fire, Intruder, Access Control and CCTV markets, with an expanding portfolio of products incorporating Access Control, DDA and ancillary products.

We are a British based company who have designed and manufactured a range of products for use in the Fire and Security markets and have distributed throughout the UK, Europe and the Middle and Far East markets since 1999.

Based in the West Midlands in the heart of the UK, RGL are an established manufacturer, and with increased warehousing facilities are able to offer greater stockholding capabilities for continuous growth. The current management team have extensive knowledge and experience of the Security Industry.

RGL supply their range of products through all the major UK and European distribution outlets. With an ever increasing demand for our products (to meet our customers' requirements) we are continually updating our product range. Further products incorporating the latest technologies will be introduced throughout the coming years.

RGL Sales Team for the UK & Europe

James Richens



Sales
017814 643237
james@rgl.co

James has worked in the Security Industry since 1975 with large and small Installation Companies and has a wealth of experience of the standards that are used in the Security And Fire industries.

Alison Jones



Sales Administrator
01902 656667
alisonmjones@rgl.co

Alison has worked for RGL since it's inception and has been involved on all aspects of Administration for the company and has responsibility for Internal sales and the smooth running of the office.

Sarah Birch



Sales Administrator
01902 656667
sarah@rgl.co

Sarah is a key member of the Sales Team and alongside Alison assists in the day to day process for Sales.

“Our commitment to quality performance is the key to our design and manufacturing process. This, coupled with the knowledge of current standards used throughout the supplied range gives you, the customer – **Products To Trust.**”

RGL Electronics Ltd.

Choosing the correct power supply for your system

The choice you make for the design of your system could be crucial to the performance and reliability of the system. RGL would like to help you make the right choice so here is some information and suggestions.

There are two types of power supplies currently to choose from, Linear or Switch Mode. In most cases the Linear has been the preferred choice but due to changes suggested by the EU, in future most products will be Switch Mode.
(Please contact us for more information).

All power supplies come in a range of Voltages and Amps deciding on the right type before you install is most important, lets look at the different types RGL offer.

Voltage

12V AC (not rectified)

this type of power supply has no DC output and does not offer BATTERY BACK UP. (main use for CCTV systems and Electric locks).

12V DC (rectified)

this type of power supply has a DC output but does not offer BATTERY BACK UP. (main use CCTV and DC locks).

13.8V DC (rectified)

this type of power supply has a DC output and does provide an output to charge a battery – [refer to battery manufacturers data sheets for the correct type of charging voltage] this type of unit is used where battery backup is required at times of mains failure. **Note:** battery will not charge at 12V DC).

24V AC (not rectified)

this type of power supply has no DC output and does not offer battery back up (main use for CCTV systems and Electric locks).

24V DC (rectified)

this type of power supply has a DC output but does not offer BATTERY BACK UP. (main use CCTV and DC locks).

27.6V DC (rectified)

this type of power supply has a DC output and does provide an output to charge a battery – [refer to battery manufacturers data sheets for the correct type of charging voltage] this type of unit is used where battery backup is required at times of mains failure. **Note:** battery will not charge at 24V DC).

So as you can see already you have plenty of different choices on selecting the correct voltage for your system.

*** Note:** When installing Power Supplies that involve long runs consideration should be given to the cable size to alleviate voltage drop.

Example: 1 core of standard alarm cable will lose over 2 volts in 100 meters.

Amps

(Normally talked about as Current)

Most products are stated in Amps 1, 2, 3 etc. All RGL products are full current to load. Where battery charging is offered this is catered for in the specification and does not affect the stated load current as may be the case with other manufacturers.

LED indication

This is provided to give the status of the power supply and so should where possible be visible.

Deep discharge protection

This protects the battery from fully discharging in cases of mains failure and will mean that the battery should recharge once the mains power has been re-instated (a discharged battery may not recharge and could cause damage to the power supply) always refer to the battery manufacturers data sheets.

Mains Detection Relay

This output is normally via a separate relay with voltage free contacts which operates if the mains supply is removed from the power supply, this can be used for notifying that the system is operating on the battery back up. **Note:** EN50131 products have this output as standard.

Battery missing/ Fault detection

This output is normally a separate relay with voltage free contacts and operates when the battery is missing or on EN50131 Grade 3 products and MP Range tests the battery for continuity.

Electronic Overload Protection

As with most modern electronics overload protection helps to prevent the very sensitive components (power supplies are electronic) from

– over heating and will thermally cut off the load in cases where components could get damaged.

Transient Protection filters

These are additional filters added to products to absorb “spikes” that may appear on the mains input supply. These come in many different shapes and sizes so please refer to the product specifications for more information.

Thermal Energy

Most Linear based power supply products generate some heat once powered and in nearly all cases the more power that is used the higher the heat levels generated. So if you are designing a system please take care in both the positioning of the product (summer/winter) to make sure that the product can dissipate the heat being generated. Failure to reduce high temperatures could cause the product to shut down or reduce the life of the product considerably.

(For further advise please contact Technical Sales).

Battery charging

As explained a battery seems to be a very simple device but by overcharging or running the battery at too high a temperature can cause damage to the cells. It is recommended to visit one of the battery manufacturers sites for more information on the correct application and use of a Lead Acid battery.

Box Sizes

Having just mentioned batteries one of the reasons for large box sizes is to house the back up battery. The different box sizes and lid orientations mean that there is a vast range of products to choose from, so if you have time please look at the box size details provided for RGL power supplies.

Linear Range Boxes

Features

- Mild Steel construction.
- White powder coated.
- Removable hinged lid.
- Strengthening lip on hinged boxes.
- Tamper protection.
- Vented box for heat dissipation.
- Selection of box sizes.
- Large boxes to house other PCB's.
- Multiple cable entry points.
- Rear cable entry.
- Cable retention points.
- Hinged products Linear Range.
- Wiring instruction inside product.

EMX Range

H: 225mm W: 250mm D: 80mm



EMLX Range

H: 330mm W: 330mm D: 80mm



EMMX Range

H: 275mm W: 330mm D: 80mm



Switch Mode Range Boxes

ALL MODELS ARE DESIGNED FOR PURPOSE

Throughout 2009 a new Range of Switch Mode power supplies will be introduced. With their unique styling the Range is being manufactured to hold a variety of battery sizes.

Features

- Mild Steel construction.
- White powder coated.
- Clam Shell products for Switch Mode (12V).
- Removable hinged lid (24V).
- Strengthening lip on hinged boxes.
- Tamper protection.
- Vented box for heat dissipation.
- Selection of box sizes.
- Large boxes to house other PCB's.
- Multiple cable entry points.
- Rear cable entry.
- Cable retention points.
- Wiring instruction inside product.

13.8V 1-3 Amp Range

H: 235mm W: 190mm D: 70mm



13.8V 1-5 Amp Range

H: 330mm W: 250mm D: 80mm



27.6V 1-5 Amp Range

H: 275mm W: 330mm D: 80mm



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Intruder

Introduction – Power Supplies

RGL offer a range of both EN50131 and BS4737 products (existing installed systems) all products are designed to meet the relevant Grading (EN) and also the Environmental Classification.

Regulations covering Intruder Alarm Systems

EN50131 Part 1 General.
EN50131 Part 6 Power supply Units.
PD6662 (UK variant document for EN).
BS 4737 (Old British Standard).
BS 7042 (Old British Standard – High Security).

All power supplies must be installed in accordance with the relevant Electrical wiring standards and must comply with the EU regulations on electrical safety.

CE EN60950

Governing Bodies

BSI (British Standards Institute).
BSIA (British Security Industry Association).
NSI (Inspectorate).
SSAIB (Inspectorate).

EN Range

EN2 – (1209, 1218, 1224 & 1238).
EN3 – (1209, 1218, 1224 & 1238).
BS4737

E Range – (1201).

EM Range – (1201, 1202, 1203 & 1205).

MP Range – (1201, 1202, 1203 & 1205).

(Note: A range of switch modes PSU's will be available in 2011).

EN50131 Compliant Power Supplies – Intruder

A range of Power Supplies designed for systems that need to comply with PD 6662: 2004 and EN 50131-6 at environmental class II.

Note: Compliance to these standards is dependant on battery usage ie. an EN3-1218-B with an 18amp battery will give you 1.5amps to load with 12 hour standby capability. However a EN3-1218-B with a 17amp battery will only allow 1.4amps to load with 12 hour capability. Hence you divide the battery used by 12 to give you the permitted load. Refer to EN for standby times.

Product 1209-A



- EN2-1209-A
- EN3-1209-A

EN graded Power Supplies for use of Battery up to 9 Ah. Fully monitored to ensure compliance to the standards (see features box below).

Dimension

H: 225mm W: 250mm D: 80mm

Specification

Output: 13.8V DC
Current: Upto 0.7 Ah.
Max Battery: 9 Ah

Product 1209-B & 1218-B



- EN2-1209-B
- EN3-1209-B
- EN2-1218-B
- EN3-1218-B

EN graded Power Supplies for use of Battery up to 9 Ah (1209-B) & 18 Ah (1218-B).

Fully monitored to ensure compliance to the standards (see features box below).

Remote Monitoring facility available on EN3 models only.

Dimension

H: 330mm W: 330mm D: 80mm

Specification

Output: 13.8V DC
Current Up to: 0.7 Amps (1209-B)
 1.5 Amps (1218-B)
Max Battery: 9 Ah (1209-B)
 18 Ah (1218-B)

Product 1224-D & 1238-D



- EN2-1224-D
- EN3-1224-D
- EN2-1238-D
- EN3-1238-D

EN graded Power Supplies for use of Battery: 24 Ah (1224-D) & 38Ah (1238-D).

Fully monitored to ensure compliance to the standards (see features box below).

Remote Monitoring facility available on EN3 models only.

Dimension

H: 380mm W: 350mm D: 195mm

Specification

Output: 13.8V DC
Current: 2 Amps (1224-D)
 3 Amps (1238-D)
Max Battery: 24 Ah (1224-D)
 38 Ah (1238-D)

EN Range Features

- 13.8V DC Regulated Output.
- Full Current to Load.
- Battery Current Limiting Protection Circuit.
- Front Tamper.
- Back Tamper, Grade 3 only.

Alarms

- Mains Fail.
- Fuse Blown.
- Battery Missing.
- Overload.
- Weak Battery.
- Low Voltage

13.8V DC Linear Power Supplies – Intruder

Product



- 1201 EX

- 1201 EMX
- 1202 EMX
- 1203 EMX

Product



- 1201 EMLX
- 1202 EMLX
- 1203 EMLX
- 1205 EMLX

Product



- 1201 MC
- 1202 MC
- 1203 MC
- 1205 MC

EX & EMX Range

A Range of Power Supplies available in a variety of outputs housed in metal enclosures with a detachable hinged lid. Available in 1, 2, 3 Amps all with Battery Charging facility choose from the following options:

EX Type – Available only in 1 Amp, the EX type is a Single Indicator (Mains On) Power Supply. The output is full current to load and is exclusive of the battery charging facility.

EMX Type – Available in 1, 2 & 3 Amp, the EMX Range is a Multi Indicator (Mains On & Fault) Power Supply. The outputs are full current to load and are exclusive of the battery charging facility and are available in Small and Large boxes see (EMLX Range below).

EMLX Range

A Range of Power Supplies available in a variety of outputs housed in metal enclosures with a detachable hinged lid. Available in 1, 2, 3 & 5 Amp, the EMLX Range is a Multi Indicator (Mains On & Fault) Power Supply. The outputs are full current to load and are exclusive of the battery charging facility.

MC Range

A Range of Power Supplies available in a variety of outputs mounted on a metal chassis. Available in 1, 2, 3 & 5 Amps all with Battery Charging facility choose from the following options:

MC Type – Available in 1, 2, 3 & 5 Amp, the MC Range is a Multi Indicator (Mains On & Fault) Power Supply. The outputs are exclusive of the battery charging facility.

Dimension

H: 225mm W: 250mm D: 80mm

Specification

Output: 13.8V DC
Current: 1, 2 & 3 Amp
 to Load
Max Battery: Box dimension
 allows for batteries
 up to 9 Ah to
 be fitted.

Dimension

H: 330mm W: 330mm D: 80mm

Specification

Output: 13.8V DC
Current: 1, 2, 3 & 5 Amp
 to Load
Max Battery: Box dimension
 allows for batteries
 up to 9 Ah to be fitted.

Dimension

• 1201-3
 H: 110mm W: 200mm D: 70mm
 • 1205
 H: 150mm W: 330mm D: 70mm

Specification

Output: 13.8V DC
Current: 1, 2, 3 & 5 Amp
 to Load
Max Battery: Dependant on Box Size

13.8V Monitored Power Supplies – Intruder

RGL produce a range of intelligent Power Supplies where compliance to EN50131 standard is not required. These have a full suite of features to ensure that all the functions of the Power Supply are fully monitored.

MPLX Range



The main features employed to fully monitor the Power Supply are as follows:

Mains Fail – In the event of the Mains failing a signal will be sent via a discrete Relay.

A second Relay will signal a fault for the following:

Fuse Blown – If either the Output or Battery Fuse fail.

Battery Missing – To signal that the Battery has been disconnected.

Overload – If the stated permitted load has been breached.

Weak Battery – To show that the Battery is not capable of sustaining a full charge and needs to be replaced.

Product	Dimension	Specification
• 1201 MPLX	H: 330mm	Output: 13.8V DC.
• 1202 MPLX	W: 330mm	Current: 1, 2, 3 & 5 Amp to Load.
• 1203 MPLX	D: 80mm	Max Battery: Box dimensions allows for batteries up to 9 Amp to be fitted.
• 1205 MPLX		

MPLX Range Features

- Full Current to Load.
- Battery Current Limiting Protection Circuit.
- Overdischarge Protection for Battery.
- Front Tamper.

Alarms

- Mains Fail.
- Fuse Blown.
- Battery Missing.
- Overload.
- Weak Battery.
- Low Voltage.

Fire Alarm Systems

Introduction – Power Supplies

RGL offer a range of products for Fire systems with all products designed to meet the relevant standards and also the Environmental Classification.

Regulations covering Fire Alarm Systems.

BS5839
EN 54

All power supplies must be installed in accordance with the relevant Electrical wiring standards and must comply with the EU regulations on electrical safety.

CE
EN60950

Governing Bodies

BSI (British Standards Institute)
BSIA (British Security Industry Association)
LPC
FIA/FPA

BS5839

EM Range – (2401, 2402, 2403 & 2405)
MP Range – (2401, 2402, 2403 & 2405)
TR Range – (2401, 2402 & 2404)

(Note a range of switch modes PSU's will be available in 2011)



27.6V DC Monitored Power Supplies – Fire

RGL Electronics manufacture a range of Linear Power Supplies for the Fire industry that relates to the EN54 Power Supply standards for Fire Systems. The design offers a comprehensive fault diagnostics of the Power Supply, an LED indication plus alarm signals (through on board voltage free change-over contacts) see features.

MPMX Range



The main features employed to fully monitor the Power Supply are as follows:

Mains Fail – In the event of the Mains failing a signal will be sent via a discrete Relay.

A second Relay will signal a fault for the following:

Fuse Blown – If either the Output or Battery Fuse fail.

Battery Missing – To signal that the Battery has been disconnected.

Overload – If the stated permitted load has been breached.

Weak Battery – To show that the Battery is not capable of sustaining a full charge and needs to be replaced.

Product	Dimension	Specification
• 2401 MPMX	H: 275mm	Output: 27.6V DC.
• 2402 MPMX	W: 330mm	Current: 1, 2, 3 & 5 amp to Load.
• 2403 MPMX	D: 80mm	Max Battery: Box dimensions allows for up to 2 x 9 Ah batteries to be fitted.
• 2405 MPMX		

MPMX Range Features

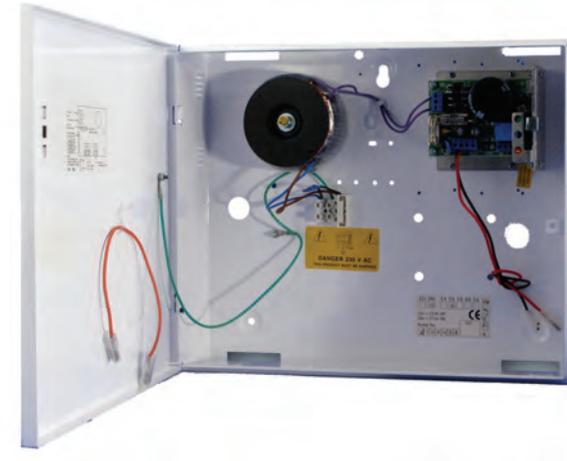
- Full Current to Load.
- Battery Current Limiting Protection Circuit.
- Overcharge Protection for Battery.
- Front Tamper.

Alarms

- Mains Fail.
- Fuse Blown.
- Battery Missing.
- Overload.
- Weak Battery.

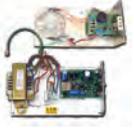
27.6V DC Linear Power Supplies – Fire

EMMX Range



A Range of Power Supplies available in a variety of outputs housed in metal enclosures with a detachable hinged lid. Available in 1, 2, 3 & 5 Amp, the EMMX Range is a Multi Indicator (Mains On & Fault) Power Supply. The outputs are full current to load and are exclusive of the battery charging facility.

Product	Dimension	Specification
• 2401 EMMX	H: 275mm	Output: 27.6V DC.
• 2402 EMMX	W: 330mm	Current: 1, 2, 3 & 5 amp to Load.
• 2403 EMMX	D: 80mm	Max Battery: Box dimensions allows for up to 2 x 9 Ah batteries to be fitted.
• 2405 EMMX		

Product	MC Range	Dimension
	A Range of Power Supplies available in a variety of outputs mounted on a metal chassis.	• 2401 & 2402 H: 110mm W: 200mm D: 70mm
		• 2403 & 2405 H: 150mm W: 300mm D: 70mm

Product	MC Type	Specification
• 2401 MC	Available in 1, 2, 3 & 5 Amp, the MC Range is a Multi-Indicator (Mains On & Fault) Power Supply. The outputs are exclusive of the battery charging facility.	Output: 27.6V DC
• 2402 MC		Current: 1, 2, 3 & 5 amp to Load.
• 2403 MC		Max Battery: Dependent on box size.
• 2405 MC		

24V Transformer Rectifier – Fire

TR Range



TR Range

The TR Range is a non-regulated DC Power Supply available in 1, 2 & 4 Amp. A mains present indicator (Green LED) and fault indicator (Red LED) are provided. Remote switching of the 24 Volt dc output can be achieved by means of either an external contact (opening or closing) or an external 24 Volt DC switched supply. The latter is frequently used when switching DC Electromagnetic Door Retainers.

The ideal application is to power Fire Door Hold Open Magnets, which will be released on activation of the Fire Alarm. The TR will provide a nominal 24 Volt dc supply at its maximum output current for the operation of 24 Volt field equipment.

Note: This product is not for use with back-up batteries.

Product	Dimension	Specification
• 2401 TR	H: 225mm W: 250mm D: 80mm	Output: 24V DC – Non Regulated
• 2402 TR		Current: 1, 2 & 4 amp to Load
• 2404 TR		

Access Control Systems

Introduction – Power Supplies

RGL offer a range of BS/EN and COP products all products are designed to meet the relevant Standards and also any Environmental Classification.

Regulations covering Access Control Systems

EN50133 Part 1 General.
 EN50133 Part 2-1 General Requirements components.
 EN50133 Part 7 Application guidelines.
 BS 3621 Specifications for Thief resistant locks.
 Security Codes of Practice COP 30.

All power supplies must be installed in accordance with the relevant Electrical wiring standards and must comply with the EU regulations on electrical safety.

CE
 EN60950.

Governing Bodies

BSI (British Standards Institute).
 BSIA (British Security Industry Association).
 NSI (Inspectorate).
 SSAIB (Inspectorate).

BS/EN/COP

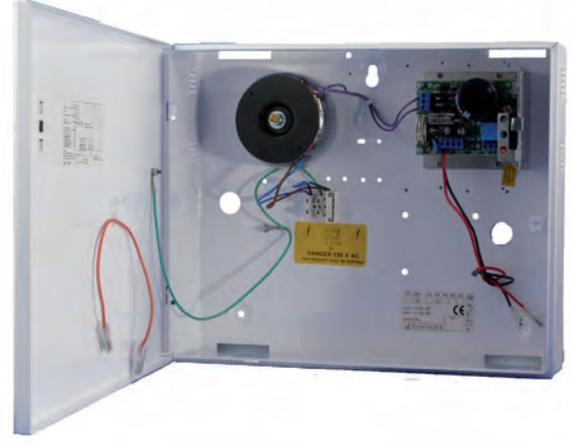
EX Range – (1201).
 EMX Range – (1201,1202,1203 and 1205).
 MPLX Range – (1201,1202,1203 and 1205).
 EMMX Range – (2401,2402,2403 and 2405).
 MPMX Range – (2401,2402,2403 and 2405).

(Note: A range of switch modes PSU's will be available in 2011).

Product	EX & EMX Range	Dimension
	A Range of Power Supplies available in a variety of outputs housed in metal enclosures with a detachable hinged lid. Available in 1, 2, 3 Amps all with Battery Charging facility choose from the following options:	H: 225mm W: 250mm D: 80mm
		Specification
		Output: 13.8V DC
		Current: 1, 2 & 3 Amp to Load
		Max Battery: Box dimension allows for batteries up to 9 Ah to be fitted.
		Specification
		Output: 13.8V DC
		Current: 1, 2 & 3 Amp to Load
		Max Battery: Box dimension allows for batteries up to 9 Ah to be fitted.

Product	EMLX Range	Dimension
	A Range of Power Supplies available in a variety of outputs housed in metal enclosures with a detachable hinged lid. Available in 1, 2, 3 & 5 Amp, the EMLX Range is a Multi Indicator (Mains On & Fault) Power Supply. The outputs are full current to load and are exclusive of the battery charging facility.	H: 330mm W: 330mm D: 80mm
		Specification
		Output: 13.8V DC
		Current: 1, 2, 3 & 5 amp to Load
		Max Battery: Box dimension allows for batteries up to 9 Ah to be fitted.

Product	MC Range	Dimension
	A Range of Power Supplies available in a variety of outputs mounted on a metal chassis. Available in 1, 2, 3 & 5 Amps all with Battery Charging facility choose from the following options:	<ul style="list-style-type: none"> • 1201-3 • 1205 H: 110mm W: 200mm D: 70mm H: 150mm W: 330mm D: 70mm
		Specification
		Output: 13.8V DC
		Current: 1, 2, 3 & 5 amp to Load
		Max Battery: Dependent on Box size

EMMX Range


A Range of Power Supplies available in a variety of outputs housed in metal enclosures with a detachable hinged lid. Available in 1, 2, 3 & 5 Amp, the EMMX Range is a Multi Indicator (Mains On & Fault) Power Supply. The outputs are full current to load and are exclusive of the battery charging facility.

Product	Dimension	Specification
• 2401 EMMX	H: 275mm	Output: 27.6V DC.
• 2402 EMMX	W: 330mm	Current: 1, 2, 3 & 5 amp to Load.
• 2403 EMMX	D: 80mm	Max Battery: Box dimensions allows for up to 2 x 9 Ah batteries to be fitted.
• 2405 EMMX		

Product	MC Range	Dimension
	A Range of Power Supplies available in a variety of outputs mounted on a metal chassis.	<ul style="list-style-type: none"> • 2401 & 2402 • 2401 & 2402 H: 110mm W: 200mm D: 70mm H: 150mm W: 300mm D: 70mm
		Specification
		Output: 27.6V DC
		Current: 1, 2, 3 & 5 amp to Load
		Max Battery: Dependent on Box size

Product	MC Range	Dimension
	A Range of Power Supplies available in a variety of outputs mounted on a metal chassis.	<ul style="list-style-type: none"> • 2401 & 2402 • 2401 & 2402 H: 110mm W: 200mm D: 70mm H: 150mm W: 300mm D: 70mm
		Specification
		Output: 27.6V DC
		Current: 1, 2, 3 & 5 amp to Load
		Max Battery: Dependent on Box size

13.8V Monitored Power Supplies – Access Control

MPLX Range



RGL produce a range of intelligent Power Supplies with 13.8V Output for Access Control. These have a full suite of features to ensure that all the functions of the Power Supply are fully monitored. Please refer to Page 04 for a full list of features.

Product	Dimension	Specification
• 1201 MPLX	H: 330mm	Output: 13.8V DC.
• 1202 MPLX	W: 330mm	Current: 1, 2, 3 & 5 amp to Load.
• 1203 MPLX	D: 80mm	Max Battery: Box dimensions allows for batteries up to 2 x 9 Amp to be fitted.
• 1205 MPLX		

27.6V Monitored Power Supplies – Access Control

MPMX Range



RGL produce a range of intelligent Power Supplies with 27.6V Output for Access Control. These have a full suite of features to ensure that all the functions of the Power Supply are fully monitored. Please refer to Page 07 for a full list of features.

Product	Dimension	Specification
• 2401 MPMX	H: 275mm	Output: 27.6V DC.
• 2402 MPMX	W: 330mm	Current: 1, 2, 3 & 5 amp to Load.
• 2403 MPMX	D: 80mm	Max Battery: Box dimensions allows for batteries up to 2 x 9 Amp to be fitted.
• 2405 MPMX		

CCTV

RGL offer a range of BS/EN and COP products, all products are designed to meet the relevant Standards and also any Environmental Classification.

Regulations covering CCTV Systems

EN50132 Part 1 General.
 EN50133 Part 4–3 General Requirements equipment.
 EN50132 Part 7 Application guidelines.
BS 7958 Management and Operation Security Codes of Practice COP 20.

All power supplies must be installed in accordance with the relevant Electrical wiring standards and must comply with the EU regulations on electrical safety.

CE
 EN60950

Governing Bodies

BSI (British Standards Institute).
 BSIA (British Security Industry Association).
 NSI (Inspectorate).
 SSAIB (Inspectorate).

BS/EN/COP

CP Range – (1210, 1220 & 1240).
 CP Range – (2405, 2420, 2440 & 2460).

(Note a range of switch modes PSU's will be available in 2011).

12V DC Power Supplies – CCTV

RGL produce a range of 12V DC Power Supplies for use in CCTV systems. Available in either 2 or 4 Amps with 1, 2, 4 or 8 outputs (dependent on model).
Note: These units do not have battery backup.

CP1220 Range



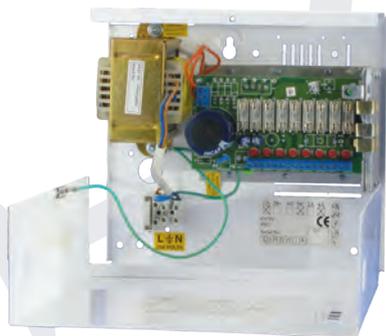
A 2 Amp Power Supply available in 1, 2 or 4 separately fused outputs.

Note: These units do not have battery backup.

Picture shows 4 separately fused outputs module fitted.

Product	Dimension	Specification
• CP1220	H: 235mm	Output: 12V DC.
• CP1220/2	W: 200mm	Current: 2 amp to Load.
• CP1220/4	D: 80mm	Outputs: 1 x 2 Amp (CP1220). 2 x 1 Amp (CP1220/2). 4 x 0.5 Amp (CP1220/4).

CP1240 Range



A 4 Amp Power Supply available in 1, 4 or 8 separately fused outputs.

Note: These units do not have battery backup.

Picture shows 8 separately fused outputs.

Product	Dimension	Specification
• CP1240	H: 235mm	Output: 12V DC.
• CP1240/4	W: 200mm	Current: 4 amp to Load.
• CP1240/8	D: 80mm	Outputs: 1 x 4 Amp (CP1240). 4 x 1 Amp (CP1240/4). 8 x 0.5 Amp (CP1240/8).

24V AC Power Supplies – CCTV

RGL produce a range of 24V AC Power Supplies for use in CCTV systems. Available in 2 and 4 Amp ratings with a choice of either single or multi fused outputs. 24V AC Output is a nominal voltage based on a 230V AC Mains input at Full Load.

Note: These units do not have battery backup.

Product	Multi Fuse Range – 2 Amp	Dimension
	A 24V AC 2 Amp Power Supply for use in CCTV systems. Available in 2 or 4 separately fused outputs. Note: These units do not have battery backup. Picture shows 4 separately fused outputs module fitted.	H: 225mm W: 135mm D: 80mm
• CP2420/2		Specification
• CP2420/4		Output: 24V AC
		Current: 2 Amp to Load
		Outputs: 2 x 1 Amp (CP2420/2) 4 x 0.5 Amp (CP2420/4)

Product	Multi Fuse Range – 4 Amp	Dimension
	A 24V AC 4 Amp Power Supply for use in CCTV systems. Available in 4 or 8 separately fused outputs. Note: These units do not have battery backup. Picture shows 8 separately fused outputs module fitted.	H: 225mm W: 135mm D: 80mm
• CP2440/4		Specification
• CP2440/8		Output: 24V AC
		Current: 4 Amp to Load
		Outputs: 4 x 1 Amp (CP2440/4) 8 x 0.5 Amp (CP2440/8)

Product	Single Fuse Range – 2 & 4 Amp	Dimension
	A 24V AC Power Supply for use in CCTV systems. Available 2 and 4 Amps with a single fused output split into 4 or 8 Way Terminals. Note: These units do not have battery backup.	H: 225mm W: 135mm D: 80mm
• CP2420		Specification
• CP2440		Output: 24V AC
		Current: (CP2420) 2 Amp to Load (CP2440) 4 Amp to Load
		Terminals: Single Fuse (CP2420) 4 Way Terminals Single Fuse (CP2440) 8 Way Terminals

24V CCTV IP Rated Power Supply – CCTV

24V AC External Power Supply



A 24V AC 6 Amp AC Power Supply. Housed in a plastic box suitable for outdoor use. Rated to IP65. The output has 4 separately fused terminals.

Product

- CP2460/4

Dimension

H: 180mm
W: 180mm
D: 90mm

Specification

Output: 24V AC.
Current: 6 Amp.

12V & 24V CCTV Encapsulated Range – CCTV

Product



- CP1210/5M

12V DC Encapsulated Power Supply – CCTV

A 12V DC 1 Amp Switch Mode Power Supply for use with CCTV. The unit is fully encapsulated.

Dimension

H: 65mm W: 50mm D: 25mm

Specification

Output: 12V DC
Current: 1 Amp

Product



- CP2405
- CP2410

24V AC Encapsulated Power Supply – CCTV

A range of 24V AC Power Supplies for use with CCTV. The units are fully encapsulated.

Dimension

CP2405:
H: 117mm W: 65mm D: 45mm
CP2410:
H: 150mm W: 75mm D: 55mm

Specification

Output: 24V AC
Current: 500mA (CP2405)
1 Amp (CP2410)

Exit Buttons

Introduction – Exit Buttons

A Range of Plastic and Stainless Steel Release/Exit Buttons designed to meet the most robust applications and to comply with Risk Assessment **RA001** and **EN50133/Industry Codes of Practice**. Designs have been made to comply with H&S Regulations.

Back Boxes in Green for Access Control. DDA compliant buttons to comply **BS8300**.

Regulations Covering Exit Buttons

EN50133 Part 1 General.
EN50133 Part 2-1 General Requirements components.
EN50133 Part 7 Application guidelines.
BS3621 Specifications for Thief-Resistant Locks.
Security Codes of Practice **COP 30**.

CE

Governing Bodies

BSI (British Standards Institute).
BSIA (British Security Industry Association).
NSI
SSAIB

BS/EN/COP

All Ranges.

Green Dome Exit Buttons

A Range of Plastic and Stainless Steel Green Domed Buttons designed to meet the most robust applications and to comply with Risk Assessment RA001 and EN50133/Industry Codes of Practice. Designs have been made to comply with H&S regulations.

Available with "Press To Exit" (PTE) or "Door Release" (DR) where stated in Product Code.

Product	EBGB01P	Dimension
	Exclusively designed by RGL for surface or flush fitting. Green Domed Button. High gloss easy clean surface.	H: 85mm W: 85mm D: 41mm
		Specification
		Voltage: <30V DC/AC
		Current: 4 Amps @ 30V AC/DC
		Operations: > 1 Million
		Contacts: Double Pole NO/NC
		IP Rating: Indoor Use Only

Product	EBGB05P	Dimension
	Exclusively designed by RGL for surface or flush fitting. Green Domed Button. High gloss easy clean surface.	H: 88mm W: 43mm D: 41mm
		Specification
		Voltage: <30V DC/AC
		Current: 4 Amps @ 30V AC/DC
		Operations: > 1 Million
		Contacts: Double Pole NO/NC
		IP Rating: Indoor Use Only

Product	EBGBWC02	Dimension
	Exclusively designed by RGL for surface or flush fitting. Green Dome Button with protective collar. Innovative Green Surface Box.	S/Steel Plate: H: 85mm W: 85mm
		Specification
		Voltage: <30V DC/AC
		Current: 4 Amps @ 30V AC/DC
		Operations: > 1 Million
		Contacts: Double Pole NO & NC
		IP Rating: IP 66

Product	EBGB/AP	Dimension
	Exclusively designed by RGL for surface or flush fitting. Green Domed Button. Innovative Green Surface Box.	S/Steel Plate: H: 85mm W: 39mm
		Specification
		Voltage: <30V DC/AC
		Current: 4 Amps @ 30V AC/DC
		Operations: > 1 Million
		Contacts: Double Pole NO & NC
		IP Rating: IP 66

Push Plate Exit Buttons

A Range of Plastic and Stainless Steel Push Plates designed to meet the most robust applications and to comply with Risk Assessment RA001 and EN50133/Industry Codes of Practice. Designs have been made to comply with H&S regulations.

Available with "Press To Exit" (PTE) or "Door Release" (DR) where stated in Product Code.

Product	EBPP02P	Dimension
	Exclusively designed by RGL for surface or flush fitting. High impact plastic moulding. All active 360° Small Push Plate. Depressed action for Health and Safety issues. High gloss easy clean surface. Available in Green or white.	H: 94mm W: 94mm D: 36mm
		Specification
		Voltage: <30V DC/AC
		Current: 4 Amps @ 30V AC/DC
		Operations: > 1 Million
		Contacts: Double Pole NO & NC
		IP Rating: Indoor Use Only

Product	EBLPP02P	Dimension
	Exclusively designed by RGL for surface or flush fitting. High impact plastic moulding. All active 360° Small Push Plate. Complies with DDA requirements BS 8300. Depressed action for Health and Safety issues. High gloss easy clean surface. Ideal for Hospitals or Public Buildings.	H: 118mm W: 118mm D: 53mm
		Specification
		Voltage: <30V DC/AC
		Current: 4 Amps @ 30V AC/DC
		Operations: > 1 Million
		Contacts: Double Pole NO & NC
		IP Rating: Indoor Use Only

Product	EBPP02	Dimension
	Exclusively designed by RGL for surface or flush fitting. Stainless Steel Plate. All active 360° Small Push Plate. Innovative Green Surface Box.	S/Steel Plate: H: 85mm W: 85mm
		Specification
		Voltage: <30V DC/AC
		Current: 4 Amps @ 30V AC/DC
		Operations: > 1 Million
		Contacts: Double Pole NO & NC
		IP Rating: IP 55

Product	EBLPP02	Dimension
	Exclusively designed by RGL for surface or flush fitting. Stainless Steel Plate. All active 360° Large Push Plate. Complies with DDA requirements BS 8300. Plastic or Stainless Steel Back Box for surface mount. Fits standard electrical back box for flush mounting.	S/Steel Plate: H: 114mm W: 114mm
		Specification
		Voltage: <30V DC/AC
		Current: 7 Amps @ 30V AC/DC
		Operations: > 1 Million
		Contacts: Double Pole NO & NC
		IP Rating: IP 55

Ideal for general areas.

Stainless Steel Exit Buttons

A Range of Stainless Steel Buttons designed to meet the most robust applications and to comply with Risk Assessment RA001 and EN50133/Industry Codes of Practice. Designs have been made to comply with H&S regulations.

Available with "Press To Exit" (PTE) or "Door Release" (DR) where stated in Product Code.

Product

EBSS02



Exclusively designed by RGL for surface or flush fitting.
Stainless Steel Plate.
Stainless Steel Button.
Innovative Green Surface Box .

- EBSS02/PTE
- EBSS02/DR

Ideal for general areas.

Dimension

S/Steel Plate: H: 85mm W: 85mm

Specification

Voltage: <30V DC/AC

Current: 4 Amps @ 30V AC/DC

Operations: > 1 Million

Contacts: Double Pole NO & NC

IP Rating: IP 66

Product

EBSS/AP



Exclusively designed by RGL for surface or flush fitting.
Stainless Steel Plate.
Stainless Steel Button.
Innovative Green Surface Box .

- EBSS/AP/PTE
- EBSS/AP/DR

Ideal for general areas.

Dimension

S/Steel Plate: H: 85mm W: 39mm

Specification

Voltage: <30V DC/AC

Current: 4 Amps @ 30V AC/DC

Operations: > 1 Million

Contacts: Double Pole NO & NC

IP Rating: IP 66

Back Boxes

A choice of Back Boxes for use with Stainless Steel Push Plate – EBLPP02 (See Page 19) and 85 x 85 mm Stainless Steel Plate.

PBB04



PBB04

A Green Plastic Back Box for surface mounting of products mounted on 85 x 85 mm Stainless Steel Plate where a conduit entry is required.

Dimension

H: 90mm W: 90mm D: 40mm

PBB03



PBB03

A Plastic Back Box for surface mounting of Large Push Plate – EBLPP02 (see Page 19 for product details).

Dimension

H: 118mm W: 118mm D: 35mm

SSBB03



SSBB03

A Stainless Steel Back Box for surface mounting of Large Push Plate – EBLPP02 (see Page 19 for product details).

Dimension

H: 128mm W: 128mm D: 50mm

Disabled Toilet Alarm

Introduction – Disabled Toilet Alarm

RGL offers a Disabled Persons Toilet Alarm that complies with BS8300.

Regulations covering Disabled Toilet Alarms BS8300.

All Disabled Toilet Alarms must be installed in accordance with the relevant Electrical wiring standards and must comply with the EU regulations on electrical safety.

CE
EN60950.

Governing Bodies

BSI (British Standards Institute).
BSIA (British Security Industry Association).



Disabled Persons Toilet Alarm

A Disabled Persons Toilet Alarm System that is BS8300:2001 Compliant. Exclusively designed by RGL, the system features an onboard back-up battery, relay (Voltage free contacts) and Fault Management system.

DTA



Features

- Appealing design and simple to use.
- Integral power supply with monitored on-board rechargeable battery.
- Integral NO/NC Relay.
- Integral Reset button with Braille.
- Power on indicator for mains supply.
- Self test facility.
- High visibility LED indicators.
- High output audible sounder.
- Reset unit with reassurance LED & sounder.
- Flush mounted 'Pull for assistance' cord with reassurance LED.
- Overdoor indicator lamp with sounder.
- 'WC' and 'Pull for assistance' labels.
- Engineers selectable reset (3 Options).
- Fault Management System (exclusive to RGL).

Reset Switch

To be Installed on wall adjacent to W.C. pan.

Pull for Assistance Cord

To be Installed on ceiling adjacent to W.C. pan.

Main Alarm Controller

To be Installed in Staffed - Reception Area.



Over Door Indicator

To be Installed outside & above W.C. Door.

BS8300:2001 Compliant

Disabled Toilet Alarm Components

RGL offers a Disabled Persons Toilet Alarm that complies with BS8300:2001.

Product



- DTAIND

Disabled Toilet Alarm – Over Door Indicator

Disabled Toilet Alarm Over Door Indicator. To be used only with the RGL system it can be ordered as an extension unit or as a replacement.

Dimension

H: 85mm W: 85mm

Product



- DTAPC

Disabled Toilet Alarm – Pull Cord

Disabled Toilet Pull Cord. To be used only with the RGL system it can be ordered as an extension unit or as a replacement.

Dimension

H: 85mm W: 85mm

Product



- DTARES

Disabled Toilet Alarm – Remote Reset

Disabled Toilet Alarm Remote Reset. To be used only with the RGL system it can be ordered as an extension unit or as a replacement.

Dimension

H: 85mm W: 85mm

Product



- DTACTR

Disabled Toilet Alarm – Main Control Unit

Disabled Toilet Alarm Main Control Unit. To be used only with the RGL system. The low voltage control unit has an on-board battery and voltage free relay as standard.

Dimension

H: 85mm W: 145mm

Accessories

Introduction – Accessories

RGL produce a Range of accessories that can be used with various RGL products.

Accessories:

4 x Fused Output Module.
8 x Fused Output Module.
Fire Relay.
Document Box.

Product



• RL04



• RL08

Fused Output Modules

4 or 8 Individually Fused Output Modules for use with RGL range of Power Supplies. The modules enable a single output from the Power Supply to be split into equally fused outputs.

Dimension

4 Way-Board:
H: 67mm W: 70mm
8 Way Board:
H: 67mm W: 100mm

Product



• FRM-100

Fire Relay Module

A Fire Relay Module that connects to the output of a Power Supply. When a signal is received from a Fire Alarm System the output from the Power Supply will be cut off. Ideal for Door Hold Open that needs the doors releasing in the event of fire.

Dimension

H: 38mm W: 70mm
Specification
Voltage Input: 12V or 24V DC
Maximum Current: 10 A @ 24V DC

Product



• DOCBOX

Document Box

A Document Box made out of mild steel in white colour for securely housing important documents relating to a system installation. Box is secured with a key.

Dimension

H: 220mm W: 310mm D: 50mm

Product	13.8V – Volt Power Supplies 'E' Range	Dimensions	Page No.
1201EX	13.8V – 1 Amp Power Supply – Hinged Box	250x225x80	3 & 10

Product	13.8V – Volt Power Supplies 'EM' Range	Dimensions	Page No.
1201EMX	13.8V – 1 Amp Power Supply MI – Hinged Box	250x225x80	3 & 10
1202EMX	13.8V – 2 Amp Power Supply MI – Hinged Box	250x225x80	3 & 10
1203EMX	13.8V – 3 Amp Power Supply MI – Hinged Box	250x225x80	3 & 10
1201EMLX	13.8V – 1 Amp Power Supply MI – Large Hinged Box	330x330x80	3 & 10
1202EMLX	13.8V – 2 Amp Power Supply MI – Large Hinged Box	330x330x80	3 & 10
1203EMLX	13.8V – 3 Amp Power Supply MI – Large Hinged Box	330x330x80	3 & 10
1205EMLX	13.8V – 5 Amp Power Supply MI – Large Hinged Box	330x330x80	3 & 10

Product	EN50131-6/PD6662:2004 Compliant Range	Dimensions	Page No.
EN2-1209-A	EN Compliant Grade 2 13.8V – PSU for Battery up to 9Ah	250x225x80	2
EN2-1209-B	EN Compliant Grade 2 13.8V – PSU for Battery up to 9Ah	330x330x80	2
EN2-1218-B	EN Compliant Grade 2 13.8V – PSU for Battery up to 18Ah	330x330x80	2
EN2-1224-D	EN Compliant Grade 2 13.8V – PSU for Battery up to 24Ah	380x350x195	2
EN2-1238-D	EN Compliant Grade 2 13.8V – PSU for Battery up to 38Ah	380x350x195	2
EN3-1209-A	EN Compliant Grade 3 13.8V – PSU for Battery up to 9Ah	250x225x80	2
EN3-1209-B	EN Compliant Grade 3 13.8V – PSU for Battery up to 9Ah	330x330x80	2
EN3-1218-B	EN Compliant Grade 3 13.8V – PSU for Battery up to 18Ah	330x330x80	2
EN3-1224-D	EN Compliant Grade 3 13.8V – PSU for Battery up to 24Ah	380x350x195	2
EN3-1238-D	EN Compliant Grade 3 13.8V – PSU for Battery up to 38Ah	380x350x195	2

Product	13.8V – Volt Power Supplies 'MP' range	Dimensions	Page No.
1201MPLX	13.8V – 1 Amp PSU Microprocessor Controlled Hinged Box	330x330x80	4 & 12
1202MPLX	13.8V – 2 Amp PSU Microprocessor Controlled Hinged Box	330x330x80	4 & 12
1203MPLX	13.8V – 3 Amp PSU Microprocessor Controlled Hinged Box	330x330x80	4 & 12
1205MPLX	13.8V – 5 Amp PSU Microprocessor Controlled Hinged Box	330x330x80	4 & 12

Product	13.8V – Volt Power Supplies Boxes	Dimensions	Page No.
1201MC	13.8V – 1 Amp Power Supply MI – ON CHASIS	200x110x45	3 & 10
1202MC	13.8V – 2 Amp Power Supply MI – ON CHASIS	200x110x45	3 & 10
1203MC	13.8V – 3 Amp Power Supply MI – ON CHASIS	200x110x45	3 & 10
1205MC	13.8V – 5 Amp Power Supply MI – ON CHASIS	300x150x100	3 & 10

Product	27.6 Volt Power Supplies – ‘EM’ Range	Dimensions	Page No.
2401EMMX	27.6V – 1 Amp Power Supply MI – Large Box	330x275x80	7 & 11
2402EMMX	27.6V – 2 Amp Power Supply MI – Large Box	330x275x80	7 & 11
2403EMMX	27.6V – 3 Amp Power Supply MI – Large Box	330x275x80	7 & 11
2405EMMX	27.6V – 5 Amp Power Supply MI – Large Box	330x275x80	7 & 11

Product	27.6 Volt Power Supplies – ‘MP’ Range	Dimensions	Page No.
2401MPMX	27.6V – 1 Amp Power Supply Microprocessor Controlled	330x275x80	6 & 12
2402MPMX	27.6V – 2 Amp Power Supply Microprocessor Controlled	330x275x80	6 & 12
2403MPMX	27.6V – 3 Amp Power Supply Microprocessor Controlled	330x275x80	6 & 12
2405MPMX	27.6V – 5 Amp Power Supply Microprocessor Controlled	330x275x80	6 & 12

Product	Transformer/Rectifier Range	Dimensions	Page No.
2401TR	24V – 1 Amp Transformer/Rectifier	250x225x80	8
2402TR	24V – 2 Amp Transformer/Rectifier	250x225x80	8
2404TR	24V – 4 Amp Transformer/Rectifier	250x225x80	8

Product	12V DC CCTV Power Supplies	Dimensions	Page No.
CP1210/5M	12V DC – 1 Amp Encapsulated CCTV PSU	117x65x45	16
CP1220/2	12V DC – 2 C/W 2 x 1 A OUTPUTS	235x200x80	14
CP1220/4	12V DC – 2 C/W 4 x 0.5 A OUTPUTS	235x200x80	14
CP1240	12V DC – 4 Amp C/W 1 x 4.0 A OUTPUT	235x200x80	14
CP1240/4	12V DC – 4 Amp C/W 4 x 1.0 A OUTPUTS	235x200x80	14
CP1240/8	12V DC – 4 Amp C/W 8 x 0.5 A OUTPUTS	235x200x80	14

Product	24V AC CCTV Power Supplies	Dimensions	Page No.
CP24025	24V AC – 250 mAmp Encapsulated CCTV PSU.	117x65x45	16
CP2405	24V AC – 500 mAmp Encapsulated CCTV PSU.	117x65x45	16
CP2420	24V AC – 2 Amp PSU – Single Fused 4 x Outputs.	225x135x80	15
CP2420/2	24V AC – 4 Amp C/W 2 x 1.0 A OUTPUTS.	225x135x80	15
CP2420/4	24V AC – 4 Amp C/W 4 x 0.5 A OUTPUTS.	225x135x80	15
CP2440	24V AC – 4 Amp PSU – Single Fused 8 x Outputs.	225x135x80	15
CP2440/4	24V AC – 4 Amp C/W 4 x 1.0 A OUTPUTS.	225x135x80	15
CP2440/8	24V AC – 4 Amp C/W 8 x 0.5 A OUTPUTS.	235x200x80	15
CP2460/4	24V AC – 6 Amp C/W 4 x 1.5 A OUTPUTS in IP65	180x180x90	16

Product	Disabled Toilet Alarm	Dimensions	Page No.
DTA	Disabled Toilet Alarm		22 & 23
DTACTR	Disabled Toilet Alarm – Main Controller only	145x85	22 & 23
DTAIND	Disabled Toilet Alarm – Outside Indicator only	85x85	24
DTAPC	Disabled Toilet Alarm – Pull Cord only	85x85	24
DTARES	Disabled Toilet Alarm – Reset Button only	85x85	24

Plastic	Exit Buttons	Dimensions	Page No.
EBGB01P/DR/W	Plastic Green Domed Button c/w White Back Box ‘Door Release’ (All Plastic).	85x85	18
EBGB01P/PTE/W	Plastic Green Domed Button c/w White Back Box ‘Press To Exit’ (All Plastic).	85x85	18
EBGB05P/DR/W	Architrave Plate c/w White Back Box – ‘Door Release’ (All Plastic).	88x44	18
EBGB05P/PTE/W	Architrave Plate c/w White Back Box – ‘Press To Exit’ (All Plastic).	88x44	18
EBPP02P/PTE/W	Push Plate (Surface – All Plastic White) – ‘Press To Exit’ c/w Back Box.	93x93	19
EBPP02P/DR/W	Push Plate (Surface – All Plastic White) – ‘Door Release’ c/w Back Box.	93x93	19
EBPP02/PTE/GN	Push Plate (Surface – All Plastic Green) – ‘Press To Exit’ c/w Back Box.	93x93	19
EBPP02/DR/GN	Push Plate (Surface – All Plastic Green) – ‘Door Release’ c/w Back Box.	93x93	19

S/Steel	Exit Buttons	Dimensions	Page No.
EBGBWC02/DR	Green Domed Button with Collar ‘Door Release’ c/w Green Surface Box.	85x85	18
EBGBWC02/PTE	Green Domed Button with Collar ‘Press To Exit’ c/w Green Surface Box.	85x85	18
EBGB/AP/DR	Architrave Plate with Green Domed Button ‘Door Release’.	88x40	18
EBGB/AP/DR	Architrave Plate with Green Domed Button ‘Press To Exit’.	88x40	18
EBPP02	Small Push Plate Stainless Steel – ‘EXIT’ c/w Green Surface Box.	88x85	19
EBSS/AP/DR	Architrave Plate Exit Button c/w Green Surface Box Door Release.	85x40	20
EBSS/AP/PTE	Architrave Plate Exit Button c/w Green Surface Box Press To Exit.	85x40	20
EBSS02/DR	Stainless Steel Button ‘Door Release’ c/w Green Surface Box.	85x85	20
EBSS02/PTE	Stainless Steel Button ‘Press To Exit’ c/w Green Surface Box.	85x85	20

DDA	Exit Buttons	Dimensions	Page No.
EBLPP02	Large Push Plate Stainless Steel (Flush).	114x114	19
EBLPP02P/W	Large Push Plate (Surface – All Plastic White) c/w Back Box.	118x118x53	19

Product	Exit Buttons – Back Boxes	Dimensions	Page No.
SSBB03	Stainless Steel Back Box for Large Push Plate (EBLPP02).	118x118x35	20
PBB03/BK	Black Plastic Back Box for Large Push Plate (EBLPP02).	130x130x50	20

Product Listing iii



Product	Fused Output Modules	Dimensions	Page No.
RL04	4 × Individually Fused Output Board.	70×66	26
RL08	8 × Individually Fused Output Board.	100×66	26

Product	Relay Modules	Dimensions	Page No.
FRM-100	Fire Relay Module	38×70	26

Product	Document Box	Dimensions	Page No.
DOCBOX	Document Box	220×310×50	26