ELMDENE
Potter Global Technologies

FIRE & AOV **SOLUTIONS**





DESIGNED IN BRITAIN

LIFETIME WARRANTY

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 battery voltage level is getting 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	●	●	●
	Multiple fused outputs (glass fuse) - options	Multiple fused outputs enable multiple devices to be powered, with glass fuse protetion		●	
	Remote control of output/Fire Alarm interface	Enables a fire alarm signal to remotely operate the PSU output (on/off)			●
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	
	Lifetime Warranty	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	UL-EU		
	VDS approved	German approval body		●	
	EN54-4 approved (CPR)	Mandatory requiement for fire power supplies	●	●	
	EN12101-10 approved (CPR)	Mandatory requirment for AOV (Automatic Opening Vent) power supplies		●	
	System Level 5 approved (FPC)	Extra approval for Factory (Spain market)	●	●	
	BS7273 compliant (door retainer)	Fire door retainer installation guidance - meets the needs of			●
Application	Fire	Fire door retainer installation guidance - meets the needs of	●	●	
	AOV			●	
	Door Retainer				●

● = Included / **O** = Optional

FIRE

24V STX RANGE EN54-4 APPROVED

Switch Mode Technology



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 communication available for OEM applications on request

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

Find out more

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-BLACK	7.2	420 H x 400 W x 80 D	2 x 12V 65Ah
	N/A	534 H x 465 W x 267 D	

Approvals & Certification

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

UK CA CE

If you're looking for more personalised advice, don't hesitate to reach out to one of our experts and we'll be happy to assist.

Speak to one of our experts

FIRE

24V EN54-4 ST RANGE

NEW PRODUCT

Switch Mode Technology

VdS



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

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

Find out more

Part Number	Amp Rating	Dimensions	Will Fit Battery Size
2401ST-C	1.0	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 17Ah / 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-BLACK	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

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FIRE

24V DOOR RETAINER POWER SUPPLY RANGE



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

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

Find out more

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

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

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

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