



Certificate

of
Approval
of
Components and Systems

Holder of the Approval:

Elmdene International Ltd.
Rodney Road, Fratton
GB- Portsmouth, Hants. PO4 8SS

Approval No.:	No. of pages:	Valid from:	Valid to:
G 209142	5	24.06.2009	23.06.2013

Subject matter of the Approval:

Power Supply Equipment
Type 2402STE, 2405STE

Use:

in Automatic Fire Detection and Fire Alarm Systems

Basis for approval:

DIN EN 54, Part 4 (12/97) - Power Supply Equipment
DIN EN 54, Part 4/A1 (03/03) - Power Supply Equipment
DIN EN 54, Part 4/A2 (01/07) - Power Supply Equipment
VdS 2541 (12/96) - Power Supply Equipment
VdS 2203 (03/01) - Software Controlled System Components
VdS 2344 (12/05) - Procedure Guidelines

Köln (Cologne), 23.06.2009

Schüngel

Managing Director

ppa. Stahl

Head of the VdS Certification Body

VdS Schadenverhütung GmbH
Zertifizierungsstelle
Amsterdamer Str. 174
D-50735 Köln

A company of the German
Insurance Association (GDV)
(German federation of insurance
companies)

Accredited by the "Deutsche
Akkreditierungsstelle Technik
(DATECH)" as a certification body
for the areas of fire protection
and security



DAT-ZE 005/92



Enclosure 1

Sheet 1

To Certificate of Approval No. G 209142

Date 23.06.2009

The approved component/system comprises the following parts:

Description of component	Type	Applicant's Registration No.	Approval number of component (only complete for system approval)
Power Supply Equipment	2402STE	2402STE	
Power Supply Equipment	2405STE	2405STE	
Battery Lead Connection	BAT-LD-T-24-300	BAT-LD-T-24-300	
Battery Box 38 Ah	BATT-BOX-3802V	BATT-BOX-3802V	



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Instructions for the application of the approval component/system (see enclosure 1):

Power supply types 2402STE and 2405STE are designed for the use in automatic fire detection and fire alarm systems. If they are used as power supply equipment for control and indicating equipment, the PSE shall be installed in the immediate vicinity of the CIE.

The connectable battery capacity is 18 Ahrs to 38Ahrs.

Technical data 2402STE:

Voltage supply:	230 V +10%/-15%
Output voltage (mains):	27 V +/- 3 %
Output voltage (battery):	(18 – 26) V
I _{max a} :	2 A
I _{max b} :	2 A
I _{min} :	0 mA
R _i _{max} :	0,5 Ω

Technical data 2405STE:

Voltage supply:	230 V +10%/-15%
Output voltage (mains):	27 V +/- 3 %
Output voltage (battery):	(18 – 26) V
I _{max a} :	5 A
I _{max b} :	5 A
I _{min} :	0 mA
R _i _{max} :	0,5 Ω