



# Certificate

of  
**Approval**  
of  
**Components and Systems**

*Holder of the Approval:*

System Sensor Europe  
Charles Avenue

GB- Burgess Hill, West Sussex RH15 9UF

Approval No.:	No. of pages:	Valid from:	Valid to:
G 294007	5	24.03.2006	14.02.2009

*Subject matter of the Approval:*

Ionization smoke detector  
Typ CPX-751 E

*Use:*

in automatic fire detection systems

*Basis for approval:*

DIN EN 54, Part 7 (03/01) - Smoke Detectors  
VdS 2504 (12/96) - Smoke Detectors, Section 5.6  
VdS 2344 (02/99) - Procedure Guidelines

Köln (Cologne), 24.03.2006

Schüngel

Managing Director

i. V. Lüttenberg

Head of the VdS Certification Body

**This approval**

is valid only for the specified component/system as submitted for the test

■ together with the parts listed in enclosure 1

■ documented in the technical papers acc. to enclosure 2 (n/a for systems)

■ for application in the specified fire protection and security installations.

Use of the subject matter of the approval, is subject to the hints/comments of enclosure 3.

The validity of the approval can be extended upon application. Application for extension shall be submitted six months before expiry of the current approval at the latest.

This certificate may only be reproduced in its present form without any modification including all enclosures. All changes of the underlying conditions of this approval shall be reported

**by registered mail** at once to the VdS Certification Body enclosing the required documentation.

Any advertising with this VdS approved component/system shall reflect the correct contents of the certificate and shall not violate the trade practice rules.



DAT-ZE 005/92-32

**VdS Schadenverhütung GmbH**  
Zertifizierungsstelle  
Amsterdamer Str. 174  
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A company of the Gesamtverband der Deutschen Versicherungswirtschaft e.V. (German federation of insurance companies)

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



Enclosure 1

Sheet 2

To Certificate of Approval No. G 294007

Date 24.03.2006

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)
Ionization smoke detector Detector base Detector base	CPX 751 E B501 B524 IEFT		

Enclosure 2

Sheet 3

To Certificate of Approval No. G 294007

Date 24.03.2006

The approved component/system is described as follows:

Type of document	Manufacturer's identification	Date	Number of Pages
LPCB Test Report Number TE 84170 of 12/93			
VdS Test Report Number BMA 94010 dated 14.02.1995			
BRE Test Report Number TE 219397, dated 27.06.2005			
BRE Software Test Report Number TE 219397-SW, dated 05.05.2005			
<b>CPX-751 E:</b>			
Product specification	S00-354-000 A	30.06.2005	8
Installation and maintenance instructions CPX-751E	I56-2109-000	2005	4
Label CPX-751E	N04-144-601 00	18.07.2005	1
BOM - Bill of materials		30.11.2005	3
Base intelligent, 200 series italian tool	B07-153-XXXT F	03.08.1999	1
Chamber	C20-43-02 D	24.07.2003	1
Housing / Cover Notifier, ion micro series	H58-138-14 A	13.06.2005	1
Screen	S08-38-00T A	22.03.2002	1
Schematic	C37-698-00 B	04.08.2003	1
Artwork	P30-698-000 D	20.04.2005	6

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Date 24.03.2006

The approved component/system is described as follows:

Type of document	Manufacturer's identification	Date	Number of Pages
SMD assembly drawing	X70-2181-000 C	04.08.2003	1
Manual assembly drawing	X70- 2184-000 A	22.11.2002	1
Assembly drawing RLI 1251 uP Series	X70-2186-000 A	22.11.2002	1
Source 18,5 KBq AM 241	P87-247-00, Issue, K	01.10.95	1
PTB-Certificate	6.22-R224	20.01.95	5



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

The approval of the type CPX-751 E ionization smoke detector is limited to an operation in combination with the NF 1000 fire control and indicating equipment made by Notifier; the detector address can be selected by means of a rotary switch on the detector.

By means of the software parameters (Software Documentation D200-51-00) the detector can be set for two different sensitivity levels:

- standard sensitivity (alarm pulse duration 1750  $\mu$ s)
- reduced sensitivity (alarm pulse duration 1950  $\mu$ s)

Raising of an alarm by the detector can be delayed up to maximum 30 seconds.

Range of supply voltage: (8,5 ... 35,0) V DC

Radioactive substance: Am241

Activity: 18,5 kBq

The type B524 IEFT detector base is equipped with a short circuit isolator function.