



Certificate

of Approval of Components and Systems

Holder of the Approval:

System Sensor Europe
Charles Avenue

GB- Burgess Hill, West Sussex RH15 9UF

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.

Approval No.:	No. of pages:	Valid from:	Valid to:
G 204042	5	21.09.2006	20.09.2010

Subject matter of the Approval:

Static heat detector
Typ ECO1004T

Use:

in Automatic Fire Detection Systems

Basis for approval:

DIN EN 54, Part 5 (03/01) - Heat Detectors
VdS 2503 (12/96) - Heat Detectors, Sect. 5.6
VdS 2344 (12/05) - Procedure Guidelines

Köln (Cologne), 09.11.2006

Schüngel

Managing Director

i. V. Lüttenberg

Head of the VdS Certification Body

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

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



DAT-ZE 005/92-32



Enclosure 1

Sheet 1

To Certificate of Approval No. G 204042

Date 09.11.2006

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)
Static Heat Detector	ECO1004 T		
Detector Base	ECO1000 DB		
Detector Base	ECO1000 DBR		
Detector Base	ECO1000 DBRSD		
Detector Base	ECO1000 B		
Detector Base	ECO1000 BSD		
Detector Base	ECO1000 BR		
Detector Base	ECO1000 BRSD		
Detector Base	ECO1000 BR680		
Detector Base	ECO1000 BR680SD		
Detector Base	ECO1000 BR1000		
Detector Base	ECO1000 R1000SD		



Enclosure 2

Sheet 1

To Certificate of Approval No. G 204042

Date 09.11.2006

The approved component/system is described as follows:

Type of document	Manufacturer's identification	Date	Number of Pages
LPC Test Report Number TE 201773 dated 22.01.2001			
LPC Test Report Number FG 7473 dated 17.07.2001			
BRE Test Report Number TE 211421 dated 15.05.2003			
BRE Test Report Number TE 214831 dated 09.01.2004			
BRE Test Report Number TE 214279 dated 18.05.2004			
ECO1004T:			
ECO1004T Product Specification	S00-304-00 A	14.10.03	4
ECO1005, ECO1005T and ECO1004T Installation Manual	D700-01-01	2003	1
ECO1004T Label Drawing	SSUK/N04-894-00 A	16.10.03	1
ECO1004T Parts List		20.10.03	1
Thermistor Cap ECO1000 Series	C58-378-XX TC	05.03.01	1
Schematic ECO1004 Thermal Detector	C37-706-40 B	22.01.04	1
Cover Photo/Thermal ECO1000 Series	H58-194-0XX TI	13.12.02	3
ECO1000 Manual Assembly DWG	X70-2192-000 B	22.01.04	1
ECO1005 SMD Assembly DRAWING	X70-2195-000 D	22.01.04	1



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Date 09.11.2006

The approved component/system is described as follows:

Type of document	Manufacturer's identification	Date	Number of Pages
ECO1000 series common documents:			
ECO1000 ASIC Specification	Index 2.0	25.11.02	12
ECO1000-300 Series EEPROM contents	Index 2.0	20.08.02	7
ECO1000-300 Series Drift Compensation Algorithm	Index 2.0	20.08.02	6
Drift Compensation Flow Diagram	Index B		2
ECO1000Bxxx Product Specification	S00-174-00 C		6
ECO1000 Base Labels Drawing	N04-80X-XX 02		1
ECO1000Bx Base Parts List			1
Base ECO1000B	B07-215-00 B	23.01.03	2
Swirl Chamber Base ECO1000 Series	B07-216-01 A	23.10.03	2
PCB ECO1000 Series	B60-618-006 B	22.01.04	1
ECO1000 Series Artwork	P30-618-006 B	22.01.04	5
Swirl Chamber Base & Light Pipe Assy	P87-007-01 B	02.12.03	1



Enclosure 3

Sheet 1

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Date 09.11.2006

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

On account of its response behaviour the type ECO1004T static heat detector is classified as a detector of class BS.

When used in automatic fire detection systems, ceiling heights of rooms must not exceed 6.0 m.

Supply Voltage Range: (8 ... 30) V DC

Quiescent Current Consumption: (60 ... 105) μ A

Max. Alarm Current: 80 mA