



Certificate

of
Approval
of
Components and Systems

Holder of the Approval:

Notifier Fire Systems by Honeywell
Charles Avenue, Burgess Hill
GB-RH15 9UF West Sussex

<i>Approval No.:</i>	<i>No. of pages:</i>	<i>Valid from:</i>	<i>Valid to:</i>
G 209145	7	30.03.2010	29.03.2014

Subject matter of the Approval:

Control and Indicating Equipment
Type NFS8V

Use:

in Automatic Fire Detection and Fire Alarm Systems

Basis for approval:

DIN EN 54- 2:1997-12 + A1:2007-01 - Control and Indicating Equipment
DIN EN 54-4:1997-12 + A1:2003-03 + A2:2007-01 - Power Supply Equipment
Draft VdS 2540:2009-11 - Control and Indicating Equipment
VdS 2541:1996-12 - Power Supply Equipment
VdS 2344:2005-12 - Procedure Guidelines

Köln (Cologne), 30.03.2010

Schüngel

Managing Director

i.V. Hesels

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 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

VdS Schadenverhütung GmbH
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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



Enclosure 1

Sheet 1

To Certificate of Approval No. G 209145

Date 30.03.2010

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)
Control and Indicating Equipment Main Cards: Main Board 2-Way Relay Board 8-Way Relay Board 4-Way Monitored Sounder Board Routing Termination Unit SST Display PSU: Power Supply Board	NFS8V 124-395-018 020-713 020-747 020-772 020-773 020-769 124-400		



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Date 30.03.2010

The approved component/system is described as follows:

Type of document	Manufacturer's identification	Date	Number of Pages
VdS Test Report No. BMA 09094 dated 25.06.2009			
VdS Test Report No. BMA 09095 dated 25.06.2009			
VdS Software Test Report No. SW 2008236 dated 11.03.2009			
NFS8V:			
Installation Instructions	997-540-003-1, Issue 1		
Operating Instructions	997-544-001, Issue 1		
Parts List	002-478-189, Issue 1		
Drawing	PP384-951, Issue 1		
Drawing	PP020-710-XXX, Issue 4		
Main Board:			
Parts List	124-395-018, Issue 1		
Layout	GA124-395, Issue 1		
Circuit Diagram	C394-395, Issue 1		
Power Supply Board:			
Parts List	170-124, Issue 2		
Parts List	124-400, Issue 1		
Drawing	GA170-124, Issue 2		
Layout	GA124-400, Issue 1		
Circuit Diagram	C394-400, Issue 1		



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The approved component/system is described as follows:

Type of document	Manufacturer's identification	Date	Number of Pages
2-Way Relay Board:			
Parts List	020-713, Issue 3		
Parts List	124-347, Issue 2		
Layout	GA124-347, Issue 2		
Circuit Diagram	C394-347, Issue 2		
8-Way Relay Board:			
Parts List	020-747, Issue 3		
Parts List	124-349, Issue 2		
Layout	GA124-349, Issue 1		
Circuit Diagram	C394-349, Issue 1		
4-Way Monitored Sounder Board:			
Parts List	020-772, Issue 1		
Parts List	124-372, Issue 1		
Layout	GA124-372, Issue 1		
Circuit Diagram	C394-372, Issue 1		
Route Termination Unit:			
Parts List	020-773, Issue 1		
Parts List	124-373, Issue 2		
Layout	GA124-373, Issue 1		
Circuit Diagram	C394-373, Issue 1		



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The approved component/system is described as follows:

Type of document	Manufacturer's identification	Date	Number of Pages
SST Display:			
Parts List	020-769, Issue 1		
Parts List	124-382, Issue 2		
Layout	GA124-382, Issue 1		
Circuit Diagram	C394-382, Issue 2		
Housing Back Panel:			
Parts List	004-143-189, Issue 1		
Parts List	004-160-189, Issue 1		
Drawing	PP225-377-009, Issue 4		
Drawing	PP236-677-XXX, Issue 2		
Drawing	PP345-527, Issue 2		
Overall Drawing	GA004-143-XXX, Issue 8		
Overall Drawing	GA518-158-XXX, Issue 1		
Housing Front:			
Parts List	004-144-009, Issue 1		
Overall Drawing	GA004-144-XXX, Issue 2		
Parts List	170-122-003, Issue 2		
Overall Drawing	GA170-122-XXX, Issue 2		
Drawing	PP236-676-XXX, Issue 4		



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

Control and indicating equipment type NFS8V is supplied with energy via an integrated power supply equipment. Maximum 8 spurs may be operated in direct current technology.

Control and indicating equipment type NFS8V is suitable to trigger one extinguishing zone. Triggering is implemented via assembly '4-Way Monitored Sounder Board' and an additional indication via 'SST Display' to be mounted at the housing of the CIE.

At the CIE a fire brigade control panel according DIN 14661 can be operated.

The following options with requirements are available:

Indications:

Alarm counter, Sect. 7.13

Controls:

Delays to outputs, Sect. 7.11

Co-incident detection Type B, Sect. 7.12.2

Test condition, Sect. 10

Outputs:

Output to fire alarm devices, Sect. 7.8

Output to fire alarm routing equipment, Sect. 7.9.1

Output to fire protection equipment Type A, Sect. 7.10.1

Output to fire protection equipment Type C, Sect. 7.10.3

Output to fault warning routing equipment, Sect. 8.9

Inputs:

Alarm confirmation input from fire alarm routing equipment, Sect. 7.9.2

Fault monitoring of fire protection equipment, Sect. 7.10.4



Enclosure 3

Sheet 2

To Certificate of Approval No.: G 209145

Date 30.03.2010

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

Technical data power supply equipment

Line voltage:	230 V
R _i max:	800 mΩ
Connectable battery capacity:	2,8 Ah - 7 Ah