



# Certificate

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

*Holder of the Approval:*

**Notifier Sicherheitssysteme GmbH**  
**Berliner Straße 91**  
**DE-40880 Ratingen**

<i>Approval No.:</i>	<i>No. of pages:</i>	<i>Valid from:</i>	<i>Valid to:</i>
<b>G 202097</b>	<b>6</b>	<b>12.05.2010</b>	<b>11.05.2014</b>

*Subject matter of the Approval:*

**Control and Indicating Equipment**  
**Type NF 50-A**

*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**  
**VdS 2540:2009-11 Draft - Control and Indicating Equipment**  
**VdS 2541:1996-12 - Power Supply Equipment**  
**VdS 2344:2005-12 - Procedure Guidelines**

**Köln (Cologne), 07.05.2010**

**Schüngel**

Managing Director

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

Accredited by the "Deutsche  
Akkreditierungsstelle Technik  
(DA Tech)" 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 202097

Date 07.05.2010

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	NF 50-A		



To Certificate of Approval No. G 202097

Date 07.05.2010

The approved component/system is described as follows:

Type of document	Manufacturer's identification	Date	Number of Pages
VdS Test Report No. BMA 02058 dated 09.12.2002			
VdS Test Report No. BMA 10050 dated 23.04.2010			
VdS Test Report No. BMA 10052 dated 23.04.2010			
VdS Software Test Report No. SW 2001241 dated 28.11.2002			
VdS Software Test Report No. SW 2008232 dated 24.04.2009			
Installation-, Commissioning- and Configuration Instructions	997-442-003-11, Ausgabe 11		109
Operating Instructions	997-443-003-9, Ausgabe 9		57
Installation SST Interface Box	997-580-003-1, Ausgabe 1		2
Installation RTU01	997-584-003-1, Ausgabe 1		1
Installation Module Kits M221-SI	997-581-003-1, Ausgabe 1		2
<b>NF 50-A:</b>			
Parts List	002-456-002, issue 10		
<b>Main Board:</b>			
Parts List	124-390-001, issue 1		
Circuit Diagram	C394-390, issue 1		
Layout	GA124-390, issue 1		



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The approved component/system is described as follows:

Type of document	Manufacturer's identification	Date	Number of Pages
<b>Housing:</b> Parts List Drawing Housing Front Housing Rear Wall Layout	004-465-102, issue 2 PP684-360, issue 3 PP236-662-XXX, issue 3 PP225-369-XXX, issue 10 GA004-104-XXX, issue 08		
<b>SST Interface Box:</b> Parts List Circuit Diagram Component Mounting Diagram Front Foil	124-382-001, issue 1 C394-382-001, Issue 1 GA124-382-001, issue 2 PP385-025-001, issue 1		
<b>RTU01:</b> Parts List Circuit Diagram Component Mounting Diagram	124-373, issue 2 C394-373, issue 1 GA124-373, issue 1		
<b>Module Kit M221-SI:</b> Parts List Label	020-877, issue 1 PP345-593, issue 1		



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

Control and indicating equipment type NF 50-A comprises an integrated power supply equipment.

Maximum one loop can be connected to CIE type NF 50-A.

VIEWTM detectors can be connected to CIE type NF 50-A.

CIE type NF 50-A is suitable to trigger one extinguishing zone. Triggering is realized via module M221-SI to be installed within the housing of the CIE. The additional indications are realized via the SST Interface Box to be fixed at the housing of the CIE.

All input/output interfaces of the CIE shall be operated via shielded cable.

The following options with requirements are available:

Indications:

Alarm counter, Sect. 7.13

Fault signals from points, Sect. 8.3

Controls:

Delays to outputs, Sect. 7.11

Co-occurrence detection Type B, Sect. 7.12.2

Disabling of addressable points, Sect. 9.5

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 202097

Date 07.05.2010

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

Technical data:

Line voltage:	230 V
$R_{i_{max}}$ :	400 m $\Omega$
Connectable battery capacity:	12 Ah