

VdS

Certificate

of
Approval
of
Components and Systems

Holder of the Approval:

SPECTREX INC.
Peckman Industrial Park, 218 Little Falls Road

USA- Cedar Grove, New Jersey 07009

<i>Approval No.:</i>	<i>No. of pages:</i>	<i>Valid from:</i>	<i>Valid to:</i>
G 206033	5	14.03.2006	13.03.2010

Subject matter of the Approval:

Infrared Flame Detector
Type Sharpeye 20/20 XI

Use:

in Automatic Fire Detection Systems

Basis for approval:

DIN EN 54, Part 10 (05/02) - Flame Detectors
VdS 2504 (12/96) - Smoke Detectors, Sect. 5.6
VdS 2344 (02/99) - Procedure Guidelines

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.

Köln (Cologne), 06.04.2006

Schüngel

Managing Director

i.V. Lüttenberg

Head of the VdS Certification Body

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

in 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 206033

Date 06.04.2006

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)
Infrared flame detector	Sharpeye 20/20 XI		

Enclosure 2

Sheet 1

To Certificate of Approval No. G 206033

Date 06.04.2006

The approved component/system is described as follows:

Type of document	Manufacturer's identification	Date	Number of Pages
VdS Test Report BMA 06015, dated 01.03.2006 VdS Software-Test Report No. SW-2005221, dated 28.02.2006			
Sharpeye 20/20 XI:			
Operating instructions	10054065	11.2004	32
CPU + Interface electrical scheme	784018 Index I	18.08.2005	1
CPU + Interface - P.C.Board Assy	784019 Index F	18.08.2005	1
P.C.B. Layers	784020 Index G	30.12.2003	1
CPU + Interface - P.C.Board	SX 784022 Index 9	10.03.2004	1
P.C.Board drilling	SX 784025 Index 3	10.03.2004	1
IR3 Sensor circuit electrical scheme	SX 784038 Index 2	28.04.2004	1
IR/3 Sensors - P.C.Board	SX 784042 Index 6	29.04.2004	1
P.C.Board - drilling	SX 784045 Index 4	28.04.2004	1
IR/3 Sensors - P.C.B Assy	SX 784079 Index 2	29.04.2004	1
Assembly details of 789 Series IR and IR3 Flame Detector	789-SPX Index F	16.11.2003	1
Housing	SX 789003 Index 05	13.02.2004	1
Block and wiring diagram	SX 789008 Index 03	22.04.2004	1
Heater	SX 789086 Index 02	13.02.2004	1

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Date 06.04.2006

The approved component/system is described as follows:

Type of document	Manufacturer's identification	Date	Number of Pages
Label	789530 Index C	03.11.2003	1
Label	SX 789538 Index 02	16.02.2004	1
IR/3 Flame Detector Assy	SX 789802 Index 02	27.01.2005	1
Cover	799004 Index C	11.08.2005	1
Connecting Box	799005 Index D	03.08.2005	1
Electrical scheme	SX 799018 Index 00	03.03.2004	1
Communication PCB Assy	SX 799019 Index 02	18.02.2004	1
Communication P.C.Board	SX 799022 Index 3	03.03.2004	1
Communication P.C.Board drilling	SX 799025 Index 3	03.03.2004	1
Electrical scheme	799048 Index F	31.07.2005	1
I/O-P.C.B Assy	799049 Index F	09.08.2005	1
I/O-P.C.Board	SX 799052 Index 5	04.03.2004	1
I/O P.C.Board drilling	SX 799055 Index E	04.03.2004	1
Cover Assy	SX 799074 Index 00	13.02.2004	1
Window	SX 799077 Index 01	27.01.2005	1



Enclosure 3

Sheet 1

To Certificate of Approval No.: G 206033

Date 06.04.2006

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

The IR flame detector type Sharpeye 20/20 XI consists of three IR sensors with different wave length ranges each. Due to it's response behaviour it corresponds to a detector of class 1.

The test acc. to DIN EN 54-10, sect. 5.12 - shock - due to the weight of the flame detector and it's holder was not applicable.

Operating voltage range:	(18 ... 32) V DC	
Power consumption (quiescent):	max. 100mA	(with tempered optics: max. 150mA)
Power consumption (alarm):	max. 150mA	(with tempered optics: max. 200mA)

The notified test institute Sira Certification Service confirms for the IR flame detector type Sharpeye 20/20 XI with attestation of conformity Sira 03ATEX1163X dated november 3rd, 2003 the conformity of the electric apparatus with the harmonized European Standards 'Electrical Apparatus for Hazardous Areas' EN 50014, EN 50018, EN 50019, EN 50020, EN 50284 und EN 50281-1-1.

Marking: EEx d e [ia] IIC T5