

VdS

Certificate

of
Approval
of
Components and Systems

Holder of the Approval:

SPECTREX INC.
Peckman Industrial Park, 218 Little Falls Road
US- Cedar Grove, New Jersey 07009

<i>Approval No.:</i>	<i>No. of pages:</i>	<i>Valid from:</i>	<i>Valid to:</i>
G 207073	4	01.06.2007	31.05.2011

Subject matter of the Approval:

IR Flame Detector
Type Sharpeye 20/20 MI

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

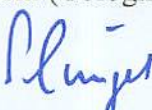
by registered mail at once to the VdS Certification Body enclosing the required documentation.

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




DAT-ZE 005/92-32

Köln (Cologne), 01.06.2007


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



Enclosure 1

Sheet 1

To Certificate of Approval No. G 207073

Date 01.06.2007

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)
IR Flame Detector	Sharpeye 20/20 MI		



To Certificate of Approval No. G 207073

Date 01.06.2007

The approved component/system is described as follows:

Type of document	Manufacturer's identification	Date	Number of Pages
VdS Test Report No. BMA 07034, dated 23.04.2007			
VdS Software Test Report No. SW-2006216, dated 20.10.2006			
Sharpeye 20/20 MI:			
User and Maintenance Manual	787100 Rev. C	08.2004	55
IR/3 Detector Assembly Aluminium	787002 Rev. B	10.05.2005	1
IR/3 Detector Stainless Steel Housing	787702 Rev. A	14.03.2004	1
IR/3 Detector Aluminium Housing	787502 Rev. F	23.11.2004	1
IR/3 Detector Assembly Stainless Steel	787802 Rev. H	08.06.2004	1
Block and Wiring Diagram	787408 Rev. C	08.04.2003	1
P.C. Boards Moulding	787410 Rev. C	07.08.2003	1
P.C. Boards Assembly	787411 Rev. B	10.06.2003	1
Sensors + CPU P.C. Board Assembly	787429 Rev. D	17.05.2005	1
Sensors + CPU - Electrical Scheme	787428 Rev. A	23.11.2004	1
Sensors + CPU P.C. Board Assembly	787479 Rev. C	23.11.2004	1
Interface P.C. Board Assembly	787419 Rev. E	22.11.2004	1
Interface - Electrical Scheme	787418 Rev. H	22.11.2004	1
Software Label and Programming Instructions	E787411 Rev. B	07.06.2005	1

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

IR flame detector type Sharpeye 20/20 MI has three IR sensors with different ranges of wave length.

The IR flame detector complies with the following response classes:

- lowest sensitivity adjustment 10: response behaviour corresponding class 3
- sensitivity adjustments 20, 30 and 40: response behaviour corresponding class 1

Operating voltage range:	(18 ... 32) V DC
Current consumption (quiesc.):	max. 25mA
Current consumption (alarm):	max. 50mA

With declaration of conformity Sira 04ATEX201 dated September 15th 2005 the notified testing body Sira Certification Service confirms for IR flame detector type Sharpeye 20/20 MI the conformity of the electrical apparatus with the harmonized european standard 'Electrical Aparatuses for Hazardous Areas' EN 50014:1997 + Annex 1+2, EN 50020:2002, EN 50284:1999 and EN 50281-1-1:1998.

Marking: EEx ia IIC T4 and EEX ia IIC T5