



SecuriBeam Optical Beam Fire Detectors

Product Catalogue 2015

Content

1. Beam Detector BSD.....	5
1.1. SecuriBeam BSD 535.....	5
1.2. Accessories for BSD.....	6
2. Beam Detector ILIA	8
2.1. SecuriBeam ILIA.....	8
2.2. SecuriBeam ILIA Dust Pro.....	8
2.3. Accessories for ILIA.....	9
3. Product Type Index	11

Introduction

Beam smoke detector based on the reflection principle

Beam Smoke Detector

The beam smoke detector systems consist of a transmitter/receiver unit or reflector which is mounted on the opposite wall. The infrared light beam from the transmitter is sent back to the reflector.

Applications

Thanks to the linear design of transmitter and receiver or reflector, the SecuriBeam can be deployed wherever conventional point detectors cannot be used due to structural issues or when such detectors are not able to guarantee optimal protection. Examples of such applications:

- Large warehouses and production halls
- Covered inner courtyards (atriums)
- Reception halls
- Warehouses
- Attics in churches
- Cinemas, theatres

Production

All Securiton fire alarm systems, system components and detectors are developed and manufactured in Europe and in compliance with the most recent European standards, as well as representing the cutting edge of technology based upon the most up-to-date scientific knowledge.

Product

The descriptions and technical data included in this catalogue are up-to-date at the time of release. We reserve the right to make alterations to them, particularly where justified by technological advancements. The illustrated products may also differ visually from the products supplied as a result of continuous further development of products.

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How to read the catalogue

Example of a typical entry for an item

Type & Article Number

Please quote this number when making an enquiry or ordering

Optical Smoke Detector



BSD 535 Beam Smoke Detector incl. BRE 535

11-3000006-01-01

The Beam Detector BSD 535 including one reflector BRE 535 is particularly suited for indoor smoke detection in industrial sheds - palletised and traditional warehouses, garages, supermarkets, mega stores, cinemas, theatres, conference rooms, trade exhibition centres, public buildings with large flows of people in general and any other large civil and industrial spaces of any shape.

Technical data

Operating voltage:	12 V DC – 30 V DC
Ambient temperature detection unit:	-10 °C to +55 °C
Operating Distance:	3 - 100 m
Detector protection:	IP 31
Optical block protection:	IP 51
Evaluation:	Smoke

Description and technical data

Illustration

1. Beam Detector BSD

1.1. SecuriBeam BSD 535

Beam Smoke Detector incl. 1 BRE 535



BSD 535

11-3000006-01-01

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1.2. Accessories for BSD

Beam detector Reset Unit



BRU 535

11-3000005-01-01

The BRU-535 is a reset unit, with which the BDS 535 can be local deactivated.

The BRU 535 can be connected to the BRC 535

Technical data

Dimensions (H x W x D):	90,5x90,5x40,5 mm
Weight:	110g
Index of Protection:	IP 40
Colour:	Light gray

Beam detector Remote Control



BRC 535

11-3000002-01-01

The BRC 535 is an aid tool for the installation, start up and maintenance of the Securiton linear smoke detector, version BSD 535 and up.

Technical data

Dimensions (H x W x D):	173x110x33 mm
Weight:	465 g

Beam detector Reflector sun-shield Protection



BRP 535

11-3000004-01-01

The reflector sun-shield protects the system against unwanted incident light radiation from corners more than 40 ° to the optical axis (Vertical to the reflecting surface) of the reflector.

Two grid screens can be set on top of each other. Then the system is protected against unwanted incident light radiation up to 20 ° to the optical axis of the reflector.

Technical data

Dimensions (H x W x D):	102x102x40 mm
Weight:	80g

Beam detector Reflector Extension



BRE 535—1

11-3000003-01-01

Beam detector Reflector Extension for BSD 535

Technical data

Dimensions (H x W x D):	130x100x18 mm
Weight:	70 g

Beam detector Reflector Extension



BRE 535—3

11-3000003-03-01

Beam detector Reflector Extension for BSD 535 (3 pcs)

Technical data

Dimensions (H x W x D): 230x230x18 mm

Weight: 210 g

Beam detector Articulated Bracket



BAB 535

11-3000001-01-01

Articulated Bracket if a 90° installation on the wall is not possible.

Technical data

Dimensions (H x W x D): 166x130x57 mm

Weight: 995 g

2. Beam Detector ILIA

2.1. SecuriBeam ILIA

ILIA with smoke/fire detection



ILIA S/E

30-6400001-03-01

The transmitter / receiver system ILIA S/E is particularly suited for indoor smoke and fire detection. Thanks to the linear design with transmitter and receiver, it may be used wherever structural situations prevent the installation of conventional point detectors or where the latter can no longer guarantee optimal protection.

Technical data

Operating voltage:	9,6 V DC - 32 V DC
Ambient temperature detection unit:	-20 °C to +65 °C
Operating Distance:	10 - 200 m
Detector protection:	IP 65
Evaluation:	Smoke / Fire

2.2. SecuriBeam ILIA Dust Pro

ILIA DUST Detector for polluted areas



ILIA S/E DUSTP

30-6400003-01-01

The transmitter / receiver system ILIA S/E Dust Pro is particularly suited for indoor smoke and fire detection in extremely dusty environments. Thanks to the linear design with transmitter and receiver, it may be used wherever structural situations prevent the installation of conventional point detectors or where the latter can no longer guarantee optimal protection.

Technical data

Operating voltage:	9,6 V DC - 32 V DC
Ambient temperature detection unit:	-20 °C to +65 °C
Operating Distance:	10 - 200 m
Detector protection:	IP 65
Evaluation:	Smoke / Fire

2.3. Accessories for ILIA

Control and I/F Unit for 2 systems

ILIA KE/2

30-6800014-01-01



Control unit for 2 x ILIA S/E for stub connection. All adjustment, testing and maintenance work can be simply and reliably performed on the easily accessible control unit.

Technical data

Dimensions (H x W x D):	145x177x68 mm
Weight:	375g
Colour:	RAL 5004

Control and I/F Unit for 2 DUST systems

ILIA KE/2 DUSTP

30-6800050-01-01



Control unit for 2 x ILIA DUSTP S/E for stub connection, in extremely dusty environments. All adjustment, testing and maintenance work can be simply and reliably performed on the easily accessible control unit. The control unit ILIA KE/2 DUSTP is design for extremely dusty environments

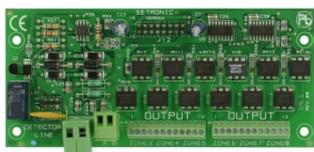
Technical data

Dimensions (H x W x D):	145x177x68 mm
Weight:	375g
Colour:	RAL 5004

Extension unit for 6 systems

ILIA KEE/6

30-6800014-03-01



ILIA:

Control unit extension board for **six** additional ILIA detectors for ring circuit connection.

ILIA Dust Pro:

Control unit extension board for **six** additional ILIA Dust Pro detectors for ring circuit connection. When pre-signals are activated only **three** additional ILIA Dust Pro can be used.

Technical data

Dimensions (H x W x D):	120x55x35 mm
Weight:	50 g

Protective Housing

ILIA SGH

30-6800025-01-01



Protective case for extremely dusty environments.

- Additional security for permanent acid concentrations in the air or aggressive dust concentrations
- Protection against misalignment during cleaning and Disinfection

Technical data

Protection class:	IP 65
Dimensions (H x W x D) :	303x303x260 mm
Weight:	2100 g

Attachment with disc for protective housing**ILIA AGH AS****30-6800026-01-01**

Attachment for the ILIA SGH protective housing. Nano sealed pane for easier cleaning.

Adjustable wall/ceiling holder**ILIA WHE****30-6800051-01-01**

Adjustable wall/ceiling holder for ILIA S/E

*Technical data*

Dimensions (H x W x D) :	480x134x128 mm
Material :	Metal
Colour :	black, RAL 9005

3. Product Type Index

B		
BAB 535.....	7	
BRC 535.....	6	
BRE 535—1.....	6	
BRE 535—3.....	7	
BRP 535.....	6	
BRU 535.....	6	
BSD 535.....	5	
I		
ILIA AGH AS.....	10	
ILIA KE/2.....	9	
ILIA KE/2 DUSTP.....	9	
ILIA KEE/6.....	9	
ILIA S/E.....	8	
ILIA S/E DUSTP.....	8	
ILIA SGH.....	9	
ILIA WHE.....	10	

