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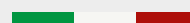
Optical beam smoke detectors.



**Control
your environment**

riellofire.com

MADE IN ITALY



SMOKE DETECTION: THE BEAM THAT PROTECTS AND MONITORS YOUR ENVIRONMENT.

BF100A



ACTIVE IR BEAM SMOKE DETECTOR

Range from 5 up to 100 metres.

The smoke detection system is composed of an emitter and a receiver, designed to detect and measure the concentration of smoke within the protected area.

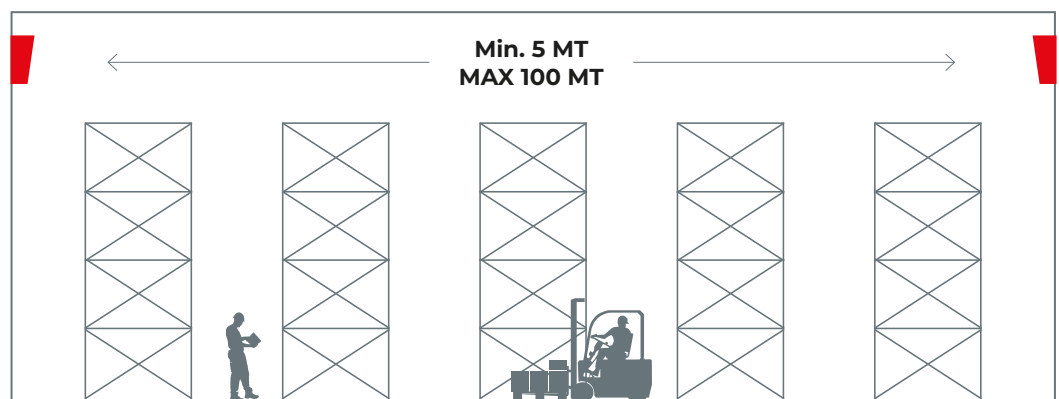
**EXTREMELY PERFORMANT IN LARGE SPACES
AND/OR WITH HIGH CEILINGS.**

Features

- The barrier is equipped with an internal device (2-display module) for **calibration and checking of the received signal in real time.**
- The boards are equipped with an **optical viewfinder** placed on one side that allows a rough alignment.
- **Adjustable sensitivity** with a DIP switch to get a better intervention threshold according to the working distance.
- The barrier is equipped with alarm, fault and consumption outputs, which allow it to be connected to **standard fire control panels.**
- The barrier has a serial interface to **connect up to 16 units to BRC keypads.**
- Dimensions: (DxLxH): 96 x 159 x 211 mm
- **CPR certification** in accordance with **EN54-12:2015**

Approval

EN54-12:2015



BF SERIES



REFLECTING IR BEAM SMOKE DETECTOR

Range from 5 up to 120 metres.

The smoke detection system consists of an emitter/receiver pair. Using a reflecting panel, the system is capable of detecting smoke and determining its concentration within the protected area.

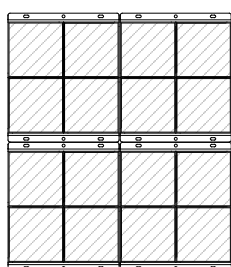
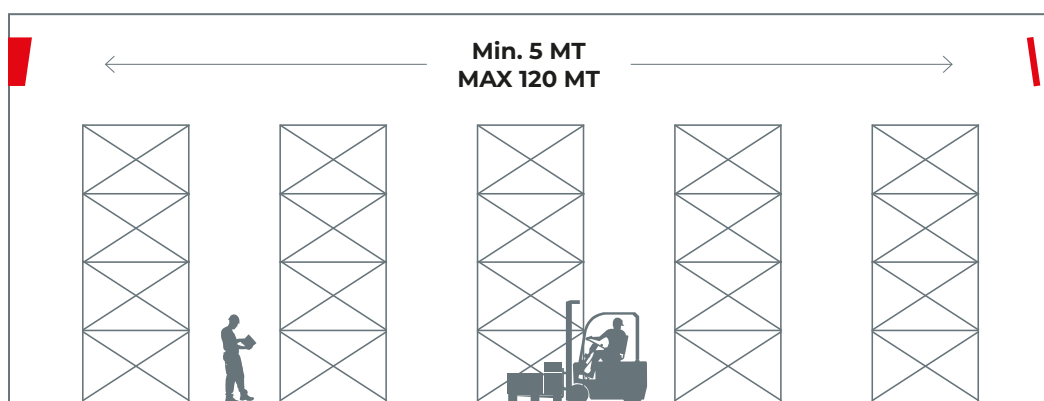
FULL PRODUCT RANGE WITH RANGES FROM 5 TO 120 METRES.

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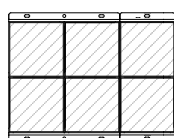
- The barrier is equipped with an internal device (2-display module) for **calibration and checking of the received signal in real time**.
- The boards are equipped with an **optical viewfinder** placed on one side that allows a rough alignment.
- The board performs a **self-calibration every 24 hours** from the time of first delivery to compensate for any masking caused by dust on the lenses and reflectors.
- **Adjustable sensitivity** with a DIP switch to get a **better intervention threshold** according to the working distance.
- The barrier is equipped with alarm, fault and consumption outputs, which allow it to be connected to **standard fire control panels**.
- The barrier has a serial interface to **connect up to 16 units to BRC keypads**.
- Selection of models (40-60-100-120) according to the working distance.
- Dimensions (DxLxH): 96 x 159 x 211 mm.
- **CPR certification** in accordance with **EN54-12:2015**.

Approval

EN54-12:2015



BF120R
40x40 cm



BF100R
20x30 cm



BF60R
20x10 cm



BF40R
10x10 cm

BF100A BF SERIES



TECHNICAL DATA	BF 100A	BF SERIES
Range	from 5 to 100 m	from 5 to 120 m
Power supply	from 11,5 to 27,8 Volt	from 11,5 to 27,8 Volt
Max consumption	25 mA (TX+RX)	10 mA
Operating temperature	from -25°C to +55°C	from -25°C to +55°C
IP degree	IP64	IP64
Accessories	BRC, BF TEST, BTM, XFIRE BF	BRC, BF TEST, BTM, XFIRE BF
Models	BF100A	BF40R, BF60R, BF100R, BF120R
Board	TX and RX	TX/RX + reflector
Dimensions (DxLxH)	96x159x211 mm	96x159x211 mm
Weight	1.500 g	1.500 g

ACCESSORIES



BTM
Plug-in module for visualization and management of barrier data via Bluetooth App.



XFIRE BF
Loop addressing module for BF series.



BRC 8 - BRC 10
Remote control panel for displaying the status of BF barriers. Connectable via RS485 serial port, the panel can monitor up to 16 barriers.

CODE	ITEM	DESCRIPTION
4442103	BF100A	OPTICAL BEAM SMOKE DETECTOR TX/RX
4442104	BF40R	REFLECTING BEAM SMOKE DETECTOR 40 m
4442105	BF60R	REFLECTING BEAM SMOKE DETECTOR 60 m
4442106	BF100R	REFLECTING BEAM SMOKE DETECTOR 100 m
4442107	BF120R	REFLECTING BEAM SMOKE DETECTOR 120 m
4403200	BRC 8	REMOTE CONTROL PANEL 8"
4403201	BRC 10	REMOTE CONTROL PANEL 10"
4405144	BTM	BLUETOOTH MODULE*
4437110	XFIRE BF	LOOP ADDRESSING MODULE
4444001	BF TEST	BF TEST FILTER
	APP BF	BF CONFIGURATION & SUPERVISION APP*

* available soon



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