



Basic characteristics

- ✓ Transmitter-Receiver unit and Reflection unit
- ✓ Greater signal stability due to the twin infrared source
- ✓ Very easy to install and set
- ✓ Very low installation and maintenance costs
- ✓ The Transmitter-Receiver unit can be directed horizontally and vertically for any working angle
- ✓ Operating distance up to 70m with max area 1050 m² per system
- ✓ Power supply 24V DC
- ✓ Anodized black aluminum casing

Characteristics of the product

- ✓ EN 54/12 and VdS Standard
- ✓ CEE according to CPD
- ✓ EMC tested at 30 V/m
- ✓ RoHS compatible
- ✓ Misalignment angle of the Reflection unit: 2 degrees max
- ✓ Fine calibration threshold adjustment
- ✓ Vertical installation possible
- ✓ Complete stability over time of the set direction
- ✓ Sensitivity thresholds continuously selectable over a wide range
- ✓ Automatic instant reset of working if the infrared beam is interrupted
- ✓ Adjustment of smoke sensitivity managed by control instruments
- ✓ Fault delay settings from dazzling up to 90 sec.
- ✓ The TRX unit, Reflection unit, brackets, connection cable, interface and manual in single packaging

BOOMERANG SF 5P70 is the line detector with reflector unit that combines smoke detection with fire detection through its modulation of the start of a fire under different conditions

BOOMERANG SF 5P70 requires the **interface INT8BA** to connect to the fire detection control units, whether analogical or conventional. With this detector you can run power just to a single point (TRX) as the reflector unit is passive.

BOOMERANG SF 5P70 is particularly suited to fire detection in the following environments:

- industrial sheds
- pallet-stacked warehouses
- traditional warehouses
- public vehicle garages
- food warehouses
- logistics centres
- temperature controlled environments
- large volume commercial and industrial structures

BOOMERANG SF 5P70 requires the optical filter STF4 for a check on correct calibration, simulating the presence of smoke in the environment under surveillance.



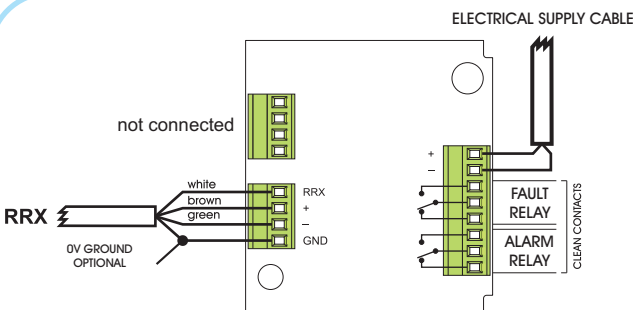
TECHNICAL CHARACTERISTICS

BOOMERANG SA SP 70

Power absorption @ 24V DC	Typical (mA) (Fault relay normally energized)	Typical (mA) (Fault relay normally de-energized)
In normal working	80	94
In fault	108	94
In alarm	100	114

Working temperature	- 20° C / + 55° C
Electromagnetic interference	EMC ≤ 25 Volt/m from 1 MHz to 2.2 GHz
Power supply	24V
Maximum cable lengths	1000m cable IEC 20-22 3 X 0.5 mm ² + shield
Maximum cover	Up to 1050 m ²
Width of cover	Up to 15 m according to T.S. European EN 54-14
Operating distance	from 10 to 70 m
Detector protection	IP44
Connector protection	IP55
Acid attack	HB9
Salt attack	high resistance

WIRING DIAGRAM



WEIGHT (Kg)

TRX unit	1,420
Reflector unit	0,060
Interface in box (INT8C)	0,200
Interface without box (INT8N)	0,065
Single bracket	0,470
Basic supply kit	2,0

MATERIALS

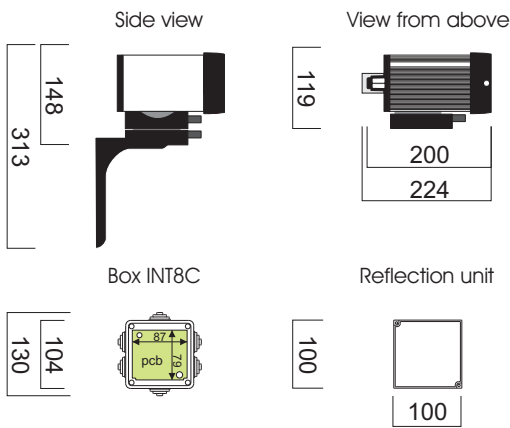
Brackets	made from cast coated aluminum
Container	made from extruded anodized aluminum
Box INT8C	technopolymer

INT8BA INTERFACE

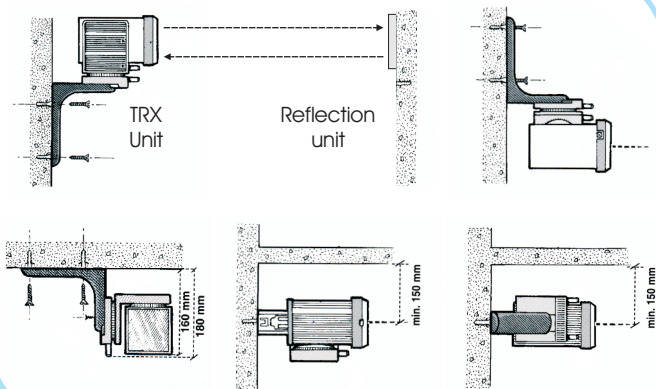


The interface that is necessary in order to obtain closed or open contacts for fire or fault alarms must be supply with 24V DC. It is available in the INT8C version (in an IP55 rated box) or as INT8N (without box).

SIZE (mm)



EXAMPLES OF USE



CERTIFICATIONS



n° G294043



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n° 3503/121



n° 001794



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