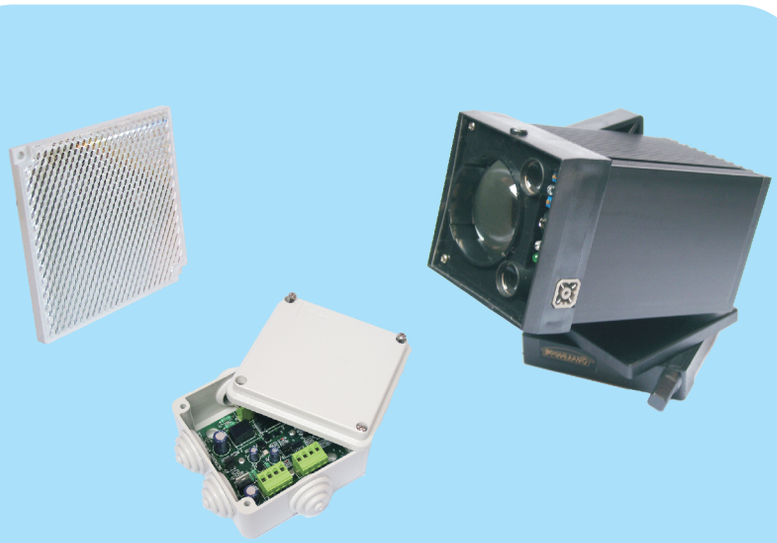
mod. S 5P70



BOOMERANG S 5P70 **is the line detector with reflection system for smoke** detection based on readings of its own modulation due to the start of a fire under different conditions.

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

- industrial sheds
- traditional warehouses
- supermarkets
- large stores
- shopping malls
- cinemas
- theatres
- conference halls
- exhibition centres

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

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**
- ✓ **CE 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**

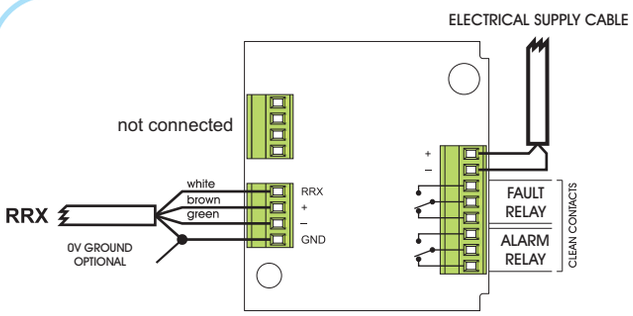
TECHNICAL CHARACTERISTICS

BOOMERANG S SP70

Power absorption @ 24V DC	Typical (mA) (Fault relay normally energized)	Typical (mA) (Fault relay normally de-energized)
In normal working	65	78
In fault	87	72
In alarm	78	91

Working temperature	- 20° C / + 55° C
Electromagnetic interference	EMC ≤ 25 Volt/m from 1MHz to 2.2 GHz
Power supply	24V
Maximum cable lengths	1000m cable IEC 20-22 3 X 0.5 mm² + shield
Maximum cover	Up to 1050 m²
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**

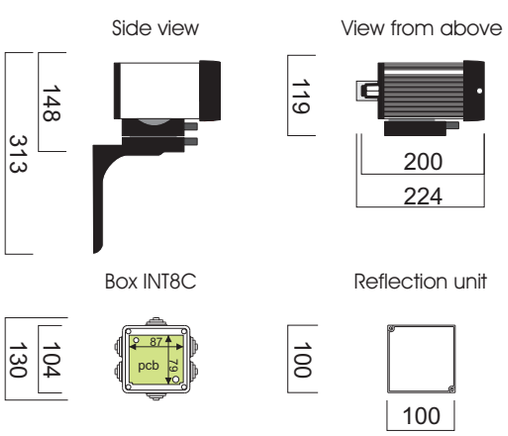
MATERIALS

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

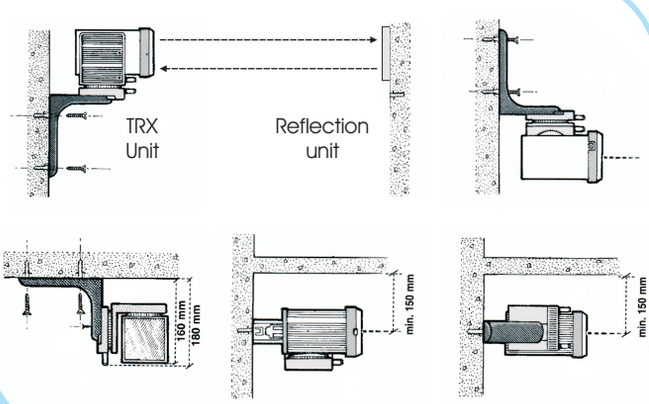
INT8BA INTERFACE

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

VdS n° G294043

CE 0786-CPD-20216

CSE n° 3503/121

n° 001794

SETRONIC VERONA

TÜV SÜD ISO 9001 Azienda Certificata ISO 9001

+39 045 8347777 +39 0458347778
www.setronicverona.com