



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 150m with max permitted area under TS EN 54-14 up to 1600 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 Reflex unit: 5 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, Reflex unit, brackets, connection cable, interface and manual in single packaging

BOOMERANG S 6P150 is the line smoke detector with reflector based on readings of its own modulation due to the start of a fire under different conditions.

BOOMERANG S 6P150 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 (an optical prism).

BOOMERANG S 6P150 is particularly well suited to fire detection in the following environments:

- industrial sheds
- supermarkets
- megastores
- large scale warehouses and logistics centres
- cinemas
- theatres
- conference halls
- exhibition centres
- public buildings with flows of people

BOOMERANG S 6P150 requires the optical filter **STF4** for a check on correct calibration, simulating the presence of smoke in the environment under surveillance.



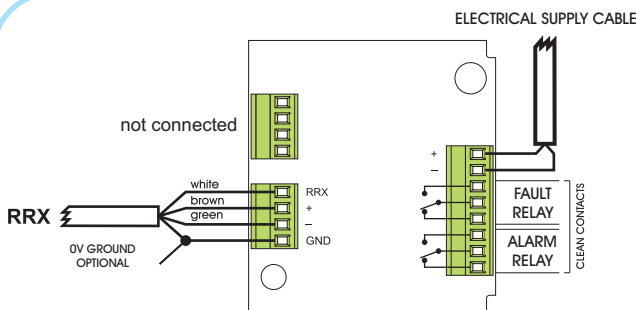
TECHNICAL CHARACTERISTICS

BOOMERANG S 6P150

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 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 1600 m ² according to T.S. European EN 54-14
Width of cover	Up to 15 m according to T.S. European EN 54-14
Operating distance	from 71 to 150 m
Detector protection	IP44
Connector protection	IP55
Acid attack	HB9
Salt attack	high resistance

WIRING DIAGRAM



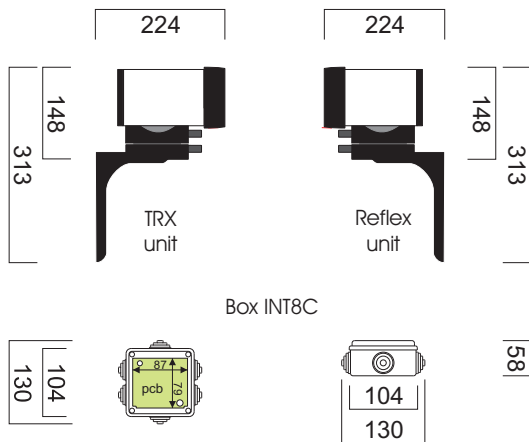
WEIGHT (Kg)

TRX unit	1,420
Reflex unit	1,180
Interface in box (INT8C)	0,200
Interface without box (INT8N)	0,065
Single bracket	0,470
Basic supply kit	3,50

MATERIALS

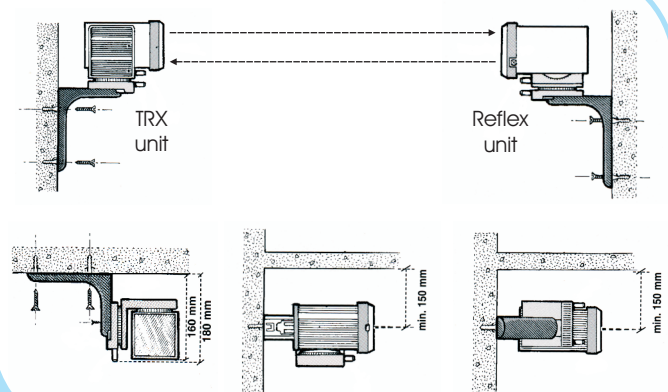
Brackets	made from cast coated aluminum
Container	made from extruded anodized aluminum
Box INT8C	technopolymer

SIZE (mm)



Box INT8C

EXAMPLES OF USE



CERTIFICATIONS



n° G294043



0786-CPD-20216



n° 3503/121



n° 001794



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ISO 9001

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