



- ✓ Extremely easy installation and calibration.
- ✓ Units can be adjusted at will with any working angle both vertically and horizontally.
- ✓ Smoke and Fire detection (smoke in the presence of flame) with distinct thresholds.
- ✓ Electrical connections on the back of the detector, with door closure and safety screws.
- ✓ Reset input.
- ✓ Adjustments and settings via LCD display and keyboard, both on board.
- ✓ Integrated optical diaphragm filter with possible different adjustments.
- ✓ Laser pointer included.
- ✓ Fixing bracket inscribed in the footprint of the detector
- ✓ Possible vertical installation.
- ✓ Absolute stability over time of the chosen orientations.
- ✓ Regulated smoke sensitivity managed without additional instrumentation
- ✓ Instant automatic recovery of operation in case of failure due to infrared beam interdiction.
- ✓ Fault output delay setting for blinding up to 90 sec.

The system is composed of the following components:

- **Receiver Unit (Rx)**
 - **Transmitting Unit (Tx)**
 - **Adjustment key**
 - **Fixing brackets**
- ✧ Standard EN 54-12 + 2015 by VdS
 - ✧ **CE** according to CPR
 - ✧ EMC test at 30 V/m
 - ✧ RoHS Compliance
- ✓ Detector with technology, design and realization entirely **made in Italy**
 - ✓ Designed and built in compliance with current environmental standards and with a very **low environmental impact**.
 - ✓ Linear detector (Tx-Rx) of smoke and fire that bases its detection on the modulation of the fire principle in various conditions.
 - ✓ Particularly suitable for fire detection in any large civil or industrial volume of any shape and size.

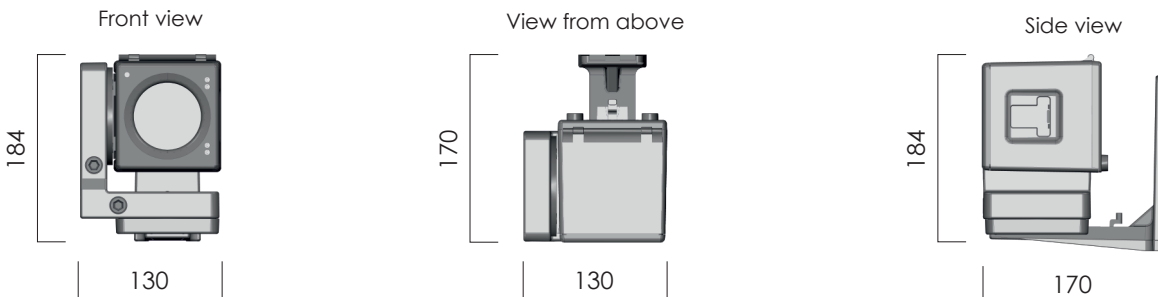


Operative distance	from 10 to 200 m
Maximum coverage	Up to 1600 m ² (see National Standard)
Cover in width	max 15 m (see National Standard)
Angular misalignment	± 1 degree max on Tx and Rx Unit
Power supply	24V DC ± 20%
Assorbption	In Stand By 65 mA; Max 93 mA
EMC Test	EN50130-4:2011 + A1:2014 - Test 30 V/m
Operating temperature	-20°/+65° C
Storage temperature	-20°/+70° C
Protection rating	IP44
Material	ABS
Weight	Unit Tx + Unit Rx: 1,6 kg, with brackets 1,8 kg

MODEL COMPARISON

	ARDEA TREK	ARDEA S/2, SE, SF DUST
Alarm and Fault outputs	integrated in the detector	on external board (INT8BA interface)
Reset input		not present
Sensitivity adjustment	selectable by menu	with trimmer and instrument accessory (UTA or ADM)
Detector setting		with trimmer and LED signaling
Fault output relay		with jumper on external board (interface INT8BA)
Threshold compensation	yes	no
Bracket	inscribed in the footprint of the detector and backward compatible	visible, placed downwards
Laser pointer	included	not available
Dimensions	130 x 184 x 170	119 x 313 x 224
Total weight with brackets	1,8 kg (couple)	3,8 kg (couple)

DIMENSIONS (mm) with bracket



CERTIFICATES

EN 54-12



pending



info@setronicverona.com • +39 045 834777

Mod. DS-ATREK-ENG rev. 00 Setronic Verona reserves the right to make any changes it considers necessary to improve its products without prior warning. SETRONIC Verona is the sole owner of the data and images contained in this booklet. Any misuse will result in legal action being taken.