ILIA

mod. ERHS0712

HIGH SENSITIVITY LINE DETECTOR

General characteristics

Detector whole design, technology, style and manufacture are **all Italian**

- Suitable for use in all industrial and civil premises
- Extremely easy to install and program
- Very inexpensive to assemble, wire up and maintain
- The detector can be installed horizontally or vertically and can work at any angle
- The integrated diaphragm permits a wide range of adjustments

Control Unit for the programming, calibration and performing of remote tests on line detectors, with the following possibilities:

- Basic configuration for two line detectors, even of different types
- Expansion board for connection from 3 to 8 detectors and line loop closure (optional)
- On site installation at reachable height
- Alarm and fault outputs can be programmed for each individual detector
- Operational access to the program keyboard is protected by password
- Control Unit and/or Control Panel reset facility
- **DUST** version of the Controller (*available on request*) is able to manage in the best way the trouble generated by the production of intense steam, dust or aerosol in very hazard environment

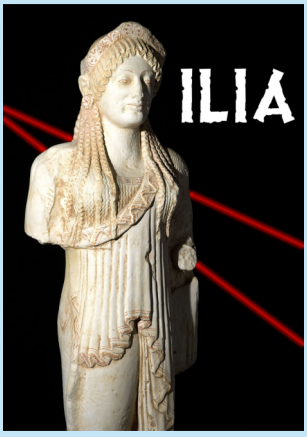
Base can also be installed separately from the detector for pre-wiring

- Plug-in base for detector connection
- Back up board to ensure continued working even after short circuit

Key special key for alignment, diaphragm adjustment and opening and closing of the base and of Control Unit

Product features

- ✪ The system is made up of the following components
  - **Receiver (Rx)**
  - **Transmitter (Tx)**
  - **Control Unit (CSRLS)**
- ✧ Standard EN 54/12
- ✧ Protection degree IP65
- ✧ RoHS compatibility
- ✧ Thermoplastic PPE + PS case with *High Impact* resistant and with self extinguishing material - class V0
- ✧ Complete directional stability over time
- ✧ Operating distance 10 to 200 m
- ✧ Connections by serial line RS485, 4 wires
- ✧ Sensitivity adjustable and selectable over a wide range, using the control unit CSRLS
- ✧ High immunity threshold to avoid the environmental disturb with the **DUST** version of the Controller
- ✧ Automatic threshold compensation
- ✧ Test alarm function
- ✧ Maintenance request
- ✧ Automatic reset of detector after break in infrared beam
- ✧ Fault output relay that can be delayed up to 90 seconds
- ✧ Self-tester for RS485 communication
- ✧ Angle misalignment: ± 1 degree max
- ✧ Power supply 24V DC



TECHNICAL CHARACTERISTICS

mod. ERHS0712

Current absorption figures are total for ILIA (Tx and Rx) and CSRLS Control Unit (DUST version too)

Control Unit and 1 detector connected		
Power supply	Stand By (mA)	Typical (mA) allarm or fault relay
24V	48	50

Control Unit and 8 detectors connected		
Power supply	Stand By (mA)	Typical (mA) allarm or fault relay
24V	261	270

ILIA Tx/Rx MOD. ERHS0712

Operating temperature	-20°/+65° C
Storage temperature	-20°/+70° C
Electromagnetic disturbance	EMC test up to 30 Volt/m
Power supply	24V DC ± 20%
Cable type	minimum section of 0,5 mm² with 4 wires
Maximum cable length	max 1200 m from Control Unit to line detectors (double in loop configuration)
Operating distance	from 10 to 200 metres
Maximum permitted cover	1600 sq metres for detector - according to TS 54-14
Width cover	max 15 metres - according to TS 54-14
Detector/connector protection rating	IP65
Angle misalignment	± 1 degree max for Tx Unit and Rx Unit
RAL Colour	9005 jet black, 1013 oyster white (on request)

CONTROL UNIT: MOD. CSRLS AND MOD. CSRLS-2-DUST

Operating temperature	-20°/+65° C
Storage temperature	-20°/+70° C
Power supply	24V DC ± 20%
Maximum cable length	Max 1000 m with 1 sq mm cable to Control Panel
Cable section per output	max 0,5 sq mm
Connectable detectors	1 to 8
Control Unit/Connector protection rating	IP65
RAL Colour	9005 jet black

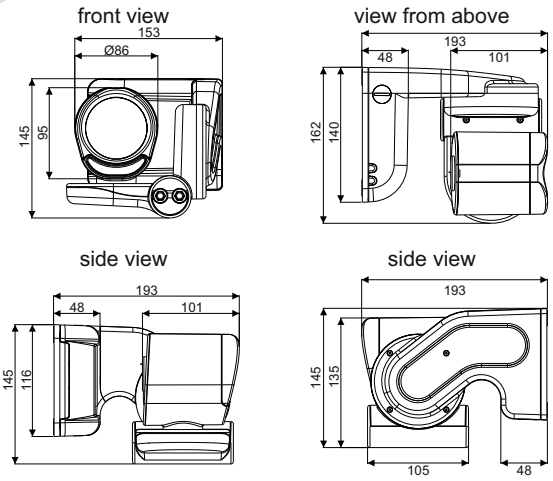
WEIGHT (in kilos)

Tx Unit	0,735
Rx Unit	0,775
Control Unit	0,375
Basic kit	**1,885**

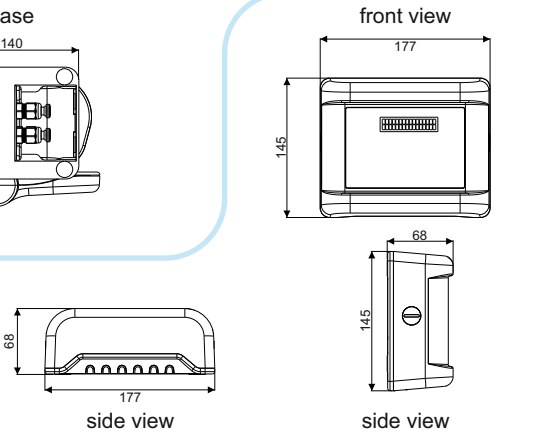
MATERIALS

PPE + PS <Noryl>
Flame Class V0
self extinguishing

ILIA ERHS0712 (mm)



CONTROL UNIT (mm)



CERTIFICATIONS

VdS n° G209195

CE 0786-CPR-20925

SETRONIC VERONA

Azienda Certificata ISO 9001

+39 0458347777 +39 0458347778
www.setronicverona.com