



# ILIA

**High sensitivity line detectors**

## Mod. ERHS0712

The system is made up of the following components:  
Receiver Unit (Rx) – Transmitter Unit (Tx)  
Control Unit (CSRLS)

## Mod. ERRHS0712

The system is made up of the following components:  
Transmitter-Receiver Unit (TRx) – Reflection Unit (Ref) Controller Unit (CSRLS)

## General characteristics

**Detector** whose 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 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 2 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

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

- Plug-in base to 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

**Standard EN 54/12**

**Protection degree IP65**

**RoHS compatible**

**Thermoplastic PPE + PS case with High Impact resistant**

**Complete directional stability over time**

**Operating distance**

- Mod. ERHS0712 10 to 200 meters
- Mod. ERRHS0712 10 to 150 meters

**Connections to 4 serial line conductors RS485**

**Sensitivity adjustable and selectable over a wide range, using the control unit CSRLS**

**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**

**Power supply – 12-24 V dc auto select**

**Angle misalignment**

- Mod. ERHS0712 ± 1°
- Mod. ERRHS0712 ± 1° for TRX Unit  
± 5° for REF Unit

