

### 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
- To be use only with CLI-PRO control and programming unit

**CLI-PRO** control and programming unit for linear beam detectors

- Base configuration for 2 ILIA beam detectors. Expansion board up to 8 detectors (optional).
- **Pre-alarm, alarm and fault outputs** distinct for each single detector
- General pre-alarm, alarm, fault (delayed) outputs and maintenance request
- Double RS485 serial line for open lines or loop, even with one connected detector only
- Double independent power input
- Operational access to the programming keyboard protected by password
- Selectable language menu (ITALIAN / ENGLISH / GERMAN / POLISH)
- Clock and Calendar
- 128x64 pixel graphic display with full event description
- Store events for each single detector, with real-time status analysis and recording range adjustable by menu
- Store event and time logs. Possibility to read logs from PC via USB
- Alarms reset by specific menu and / or control panel via dedicated reset input
- Cabling facilitation
- N° 20 cable inputs from the bottom side
- Predisposition for internal mounting plate and DIN rail
- Field installation at ground level
- Protection rate IP65
- RoHS, Reach and WEEE Compliance
- Full compatibility with ILIA line detectors in Tx-Rx version, produced since June 2015 and with short isolator base

**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 and programming Unit (CLI)
  - Opening/closure allen key
- ✧ Standard EN 54/12, 54/17 and 54/18
- ✧ Protection degree IP65
- ✧ 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
- ✧ **High immunity thresholds to avoid the environmental disturb** adjustable and selectable by CLI-PRO
- ✧ Automatic threshold compensation
- ✧ Test alarm function
- ✧ Maintenance request timing selectable **for management in critical installation**
- ✧ Automatic reset of detector after break in infrared beam
- ✧ Fault output relay that can be delayed up to 254 seconds
- ✧ Self-tester for RS485 communication
- ✧ Power supply 24V DC



## TECHNICAL CHARACTERISTICS

mod. **ERHS0712-PRO**

*Current absorption figures are total for ILIA (Tx and Rx)  
and CLI-PRO control and programming unit (all versions)*

### CLI-PRO and 1 detector connected

Power supply	Stand By (mA)	Typical (mA) alarm or fault relay
<b>24V</b>	100	150

### CLI-PRO and 8 detectors connected

Power supply	Stand By (mA)	Typical (mA) alarm or fault relay
<b>24V</b>	300	350

### 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 $\pm$ 20%
Cable type	minimum section of 0,5 mm <sup>2</sup> 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	max 1600 sq metres for detector - according to National Standard
Width cover	max 15 metres - according to National Standard
Detector/connector protection rating	IP65
Angle misalignment	$\pm$ 1 degree max for Tx Unit and Rx Unit
RAL Colour	9005 jet black, 1013 oyster white (on request)

### CONTROL AND PROGRAMMING UNIT mod. CLI-PRO

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

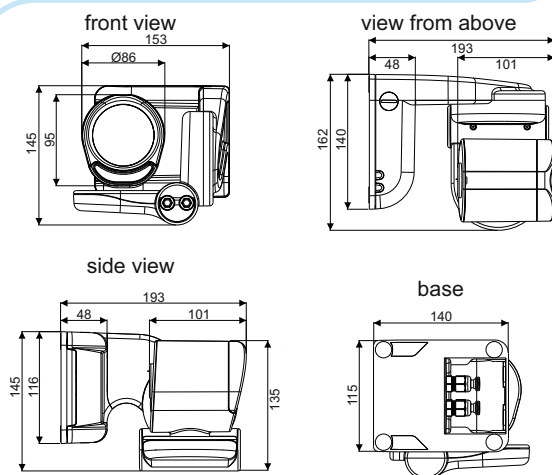
### WEIGHT (in kilos)

<b>Tx Unit</b>	0,735
<b>Rx Unit</b>	0,775
<b>CLI</b>	2,400
<b>Basic kit</b>	<b>3,910</b>

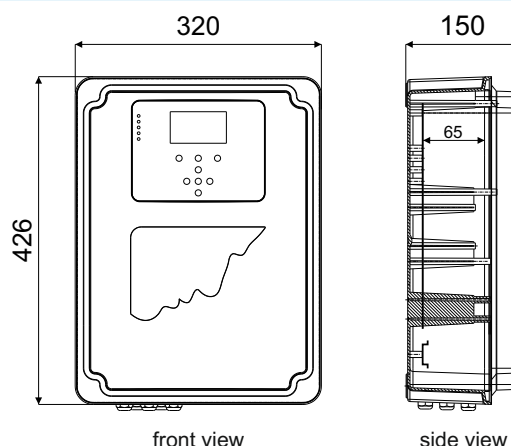
### MATERIALS

PPE + PS <Noryl>  
Flame Class V0  
self extinguishing

### ILIA ERHS0712-PRO (mm)



### CLI-PRO (mm)



### CERTIFICATIONS



n° G209195



0786-CPR-20925



n° 01069

