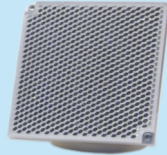


REFLECTION SINGLE ZONE BEAM DETECTOR



ILIA-OZ
TRx UNIT



REFLECTION UNIT
SMK



CONTROLLER
CSRLS-OZ

GENERAL FEATURES

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
- Wiring for TRx transmitter-receiver unit only
- Very inexpensive to install, wire up and maintain
- The detector can be installed horizontally or vertically and can work at any angle
- Integrated diaphragm

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

- Basic configuration for one line detector ILIA-OZ
- On site installation at reachable height
- Alarm and fault outputs
- 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 for detector connection

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
 - Transmitter- Receiver Unit (TRx)
 - Reflection Unit (SMK) with swivel, for distances up to 80m
 - Control unit (CSRLS-OZ)
 - Special allen key
 - Reflection Unit (4K40) for distances up to 100m, available on request
- ✧ Standard EN 54-12
- ✧ Protection degree IP65
- ✧ RoHS compatible
- ✧ Thermoplastic PPE + PS case with *High Impact* resistant
- ✧ Complete directional stability over time
- ✧ Operating distance 5 ÷ 80 m with SMK, 81 ÷ 100 m with 4K40
- ✧ Connections by serial line RS485, 4 wires
- ✧ Sensitivity adjustable and selectable over a wide range, using the control unit CSRLS-OZ
- ✧ 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 24V DC



TECHNICAL CHARACTERISTICS

mod. ILIA-OZ

Current absorption figures are total for ILIA-OZ (TRx) and CSRLS-OZ Control Unit

Controller and 1 detector connected		
Power supply	Stand By (mA)	Typical (mA)
24V	42	45

ILIA TRx MOD. ILIA-OZ

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 sq mm with 4 wires
Maximum cable length	max 1200 m from Control Unit to line detectors
Operating distance	from 5 to 80 m with SMK, from 81 to 100 m with 4K40
Maximum permitted cover	1500 sq metres for detector - according to Country Standard
Width cover	max 15 metres - according to Country Standard
Detector/connector protection rating	IP65
Angle misalignment	\pm 1 degree max for TRx Unit; \pm 1 degree max for SMK/4K40 Unit
RAL Colour	1013 oyster white, front cover 9005 jet black

CONTROL UNIT MOD. CSRLS-OZ

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	max 0,5 sq mm
Connectable detectors	1
Control Unit/Connector protection	IP65
RAL Colour	9005 jet black

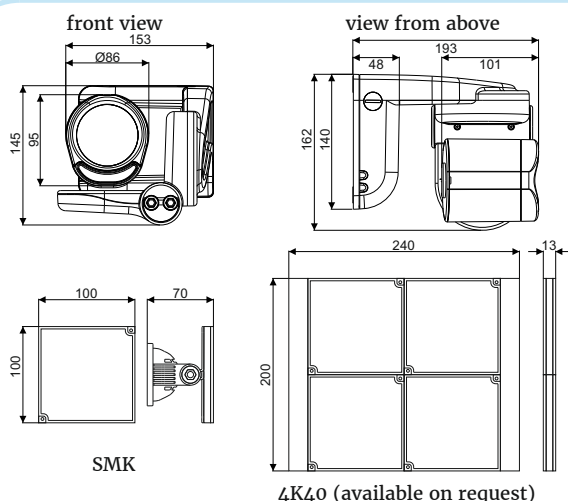
WEIGHT (in kilos)

TRx Unit	0,780
SMK Unit	0,150
Control Unit	0,375
4K40	0,000
Basic kit	1,305

MATERIALE

PPE + PS

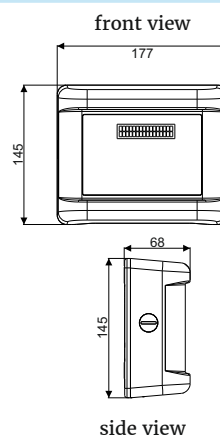
ILIA-OZ (mm)



SMK

4K40 (available on request)

CONTROL UNIT (mm)



side view

CERTIFICATIONS



n° G209195



0786-CPR-20925

