

OLC 10 & OLC 10 TWIN OLCT 10



Detector / Transmitter for explosive gases

Design for commercial applications, OLC and OLCT 10 detectors perfectly suit the protection of equipment and personnel in boiler or charging rooms where atmosphere may contain flammable gases.

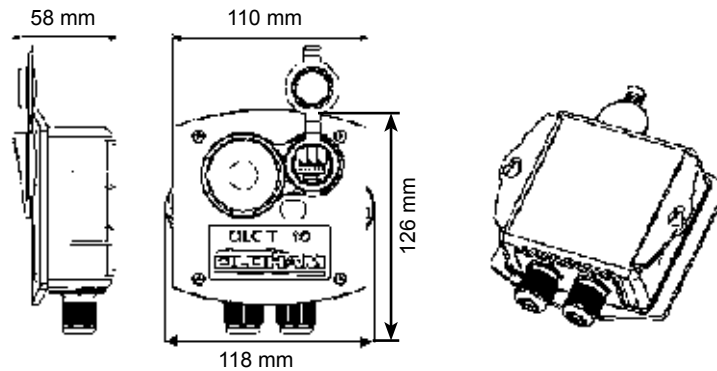
Rugged, small, easy to install and operate, these detectors combined with the MX 15 control unit meet demanding user requirements.

- Catalytic sensors
- 4-20mA output signal with OLCT 10
- Dust and humidity resistant
- Fast and accurate response
- ATEX Approval for use in hazardous areas (zone 2)
- OLC 10 TWIN allows connection of 2 sensors with a single channel without any additional junction box..

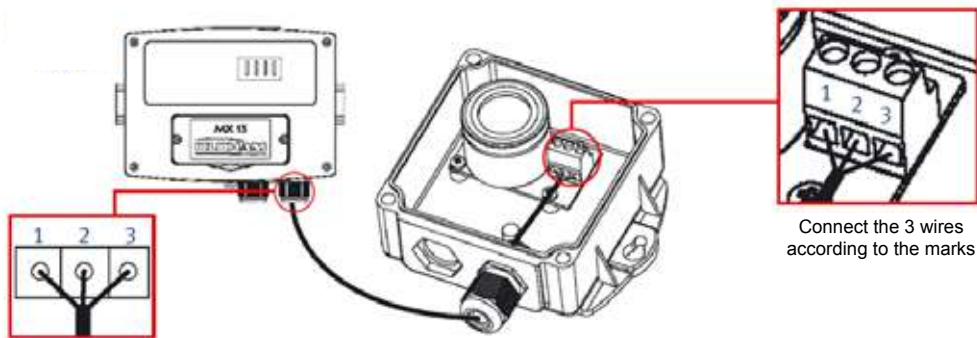
	OLC 10 / OLC 10 TWIN	OLCT 10
Detection Type :	Catalytic bead sensor (pellistor measuring principle)	Catalytic bead sensor (flammable gases)
Range :	Combustible gases - 0 to 100% LEL	Combustible Gases – 0% to 100% LEL
Signal output :	Wheatstone Bridge	Normal operation 4-20mA (Fault < 0.5 mA or > 23.2 mA)
Settings :	Managed by control unit	Without opening the enclosure by means of 2 potentiometers for zeroing and spanning 2 mA signal output in maintenance mode One dedicated connector to get a gas measurement Set to 23,2 mA if value > 100% LEL according to European standard EN 61779-4 Disable on request when managed by a suitable controller
Power Supply :	By controller only	15 to 30 Vdc (nominal 24 Vdc)
Consumption :	voir notice de la centrale	100 mA max
Cabling :	OLC10: 3-wire, shielded, core size 1,5 mm2, max. cable length 300 m 1 cable-gland M16 (outer \ 4 to 8 mm) OLC 10 TWIN: shielded, core size 1,5 mm2, 3-wire to control unit, 4-wire between both sensors, max. cable length 300 m, 2 cable-glands M16 (outer \ 4 to 8 mm)	3-wire, shielded, core size 1,5 mm2, max. cable length 1 km if connected with control unit (32 Ω max in loop) 1 cable gland M16 (outer \ 4 to 8 mm)
Dimensions (LxHxP) :	118 x 126 x 58 mm	118 mm x 126 mm x 58 mm
Material :	ABS	ABS
IP Rating :	IP65	IP65
Expected Lifespan:	36 to 48 months (sensor)	36 to 48 months (sensor)
Operating Temperature :	-10 to + 45 °C	-10 to + 45 °C
Operating humidity range :	0% to 95% RH	0% to 95% RH
Pressure Range :	1 bar ± 20 %	1 bar ± 20 %
Accuracy :	+/- 3% LEL	+/- 3% LEL
Response Time :	Flamable gas: <10s	Flamable gas: <10s
Certification :	Electromagnetic compatibility according to EN 50270:06 (typ 1) ATEX II 3 G / Ex nA IIC T6	Electromagnetic compatibility according to EN 50270:06 (typ 1) ATEX II 3 G / Ex nA IIC T4

SPECIFICATIONS

Dimensions



Wiring arrangement between OLC(T) 10 and MX 15 control unit



Wiring arrangement between OLC 10 TWIN and MX 15 control unit

