

# OLCT 10/OLC 10

## Toxic / Flammable Gas Detectors

- Toxic gas monitor (OLCT 10)
- Combustible gas monitor (OLC 10)
- Fast and accurate response
- ATEX Approval for use in hazardous areas
- IP66

**D**esigned for use in boiler rooms and parking garages, the OLCT 10 and OLC 10 gas monitors give you the most cost-effective solution for the continuous monitoring of toxic (OLCT 10) or flammable gases and vapors (OLC 10) in ambient air. Easy to install and operate, these detectors combined with the MX 15 control unit meet demanding user requirements.



**OLC 10**

Type:	Catalytic bead sensor (pellistor measuring principle)
Size (W x H x D):	118 x 126 x 58 mm
Material:	ABS
IP Rating:	IP66
Expected lifetime:	> 4 years
Operating temperature:	-10 to + 45 °C
Operating humidity range:	0 % RH to 95 % RH
Operating pressure:	80 to 120 kPa
Accuracy:	+/- 3% LEL
Response time:	T50 < 10s, T90 < 20s

### **OLC 10**

Signal output:	Wheatstone Bridge
Measuring range:	Combustible gases – 0 to 100 % LEL

Non-ambiguity reading: Managed by control unit

Settings: On control unit

Power supply:	by control unit only
Consumption:	See user manual of the control unit
Cabling:	OLC10: 3-wire, shielded, core size 1,5 mm <sup>2</sup> , max. cable length 300 m 1 cable-gland M16 (outer \ 4 to 8 mm) OLC 10 TWIN: shielded, core size 1,5 mm <sup>2</sup> , 3-wire to control unit, 4-wire between both sensors, max. cable length 300 m, 2 cable-glands M16 (outer \ 4 to 8 mm)

Approvals: Electromagnetic compatibility according to EN 50270  
ATEX II 3 G / EEx nA IIC T6

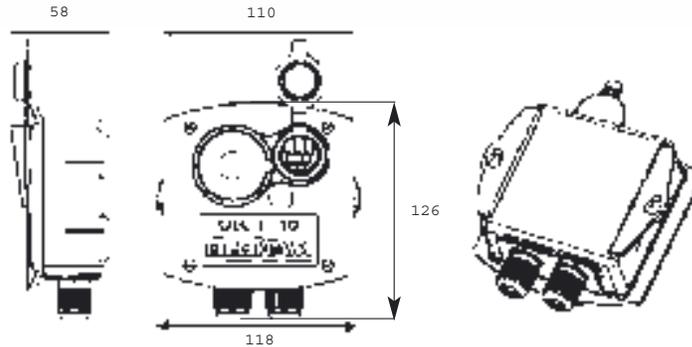
### **OLCT 10**

Normal operation 4-20mA (Fault < 0.5 mA or > 23.2 mA)  
Oxygen – 0 to 30% by volume  
Carbon Monoxide – 0 to 300 ppm  
Nitric Oxide – 0 to 100 ppm  
Nitrogen Dioxide – 0 to 30 ppm  
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  
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  
15 to 30 Vdc (nominal 24 Vdc) 1 : I out (signal) 2 : 0V 3 : +24 Vdc  
100 mA max

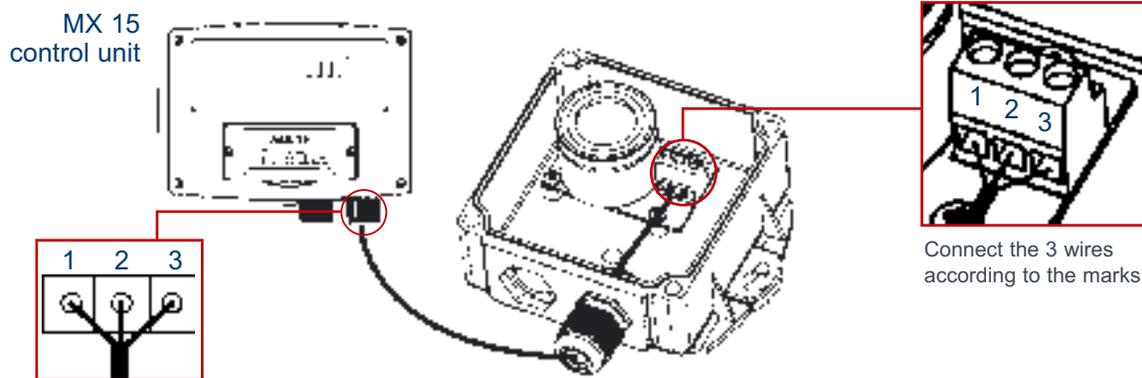
3-wire, shielded, core size 1,5 mm<sup>2</sup>, max. cable length 1 km if connected with control unit (32 V max in loop)  
1 cable gland M16 (outer \ 4 to 8 mm)

ATEX II 3 G / EEx nA IIC T4

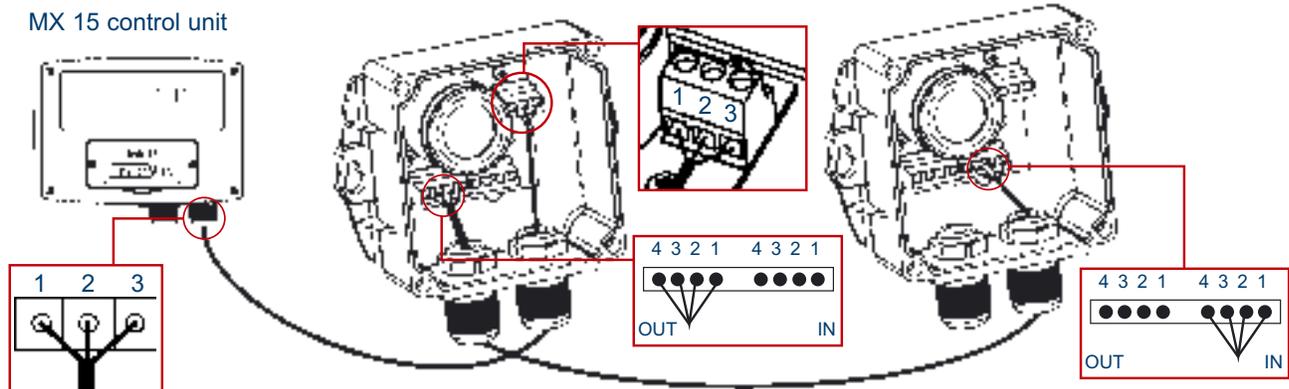
### Dimensions



### Wiring connection between OLC 10 or OLCT 10 and MX 15 control unit



### Wiring connection between OLC 10 TWIN and MX 15 unit



## INDUSTRIAL SCIENTIFIC CORPORATION

### CORPORATE HEADQUARTERS

1001 Oakdale Road • Oakdale, PA • 15071-1500 • USA

[www.indsci.com](http://www.indsci.com)



### AMERICAS

Tel.: +1-412-788-4353

Fax: +1-412-788-8353

[info@indsci.com](mailto:info@indsci.com)

### ASIA PACIFIC

Tel.: 86-10-8497-3970

Fax: 86-10-8497-3971

[sales@isc-cn.com](mailto:sales@isc-cn.com)

### EUROPE

Tel.: 33-3-21-60-80-80

Fax: 33-3-21-60-80-00

[info@groupoldham.com](mailto:info@groupoldham.com)

### AUSTRALIA / NZ

Tel.: +61-2-8870-3400

### GERMANY

Tel.: +49-231 / 9241-0

### MIDDLE EAST

Tel.: +971-50-455-8518

### SINGAPORE

Tel.: +65-6561-7377

### UNITED KINGDOM

Tel.: +44-0-1782-562002

### CZECH REPUBLIC

Tel.: +420 224 622 222/2

### ITALY

Tel.: +39 041 2804274

### NETHERLANDS

Tel.: +31 76 5427 600

### SWITZERLAND

Tel.: +41 26 852 51 48