

OLCT 10 DETECTOR / TRANSMITTER CO - NO NO2 and FREONS



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Designed for commercial applications, OLCT 10 detector perfectly suit the protection of equipment and personnel in presence of combustion and exhaust gases or refrigerants (freons) in ambient air.

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

Technical Specifications

- Electrochemical and semiconductor sensors
- 4-20mA output signal
- Dust and humidity resistant (IP65)
- Fast and accurate response
- ATEX approval for use in hazardous areas (CO, NO and NO2)
- Up to 5 detectors on same line (CO, NO, NO2)



Range	Electrochemical sensor Semiconductor (freon)	CO (0-300 ppm), NO (0-100 ppm), NO ₂ (0-30ppm) R134a, R404a, R22, R410a etc
Signal output		Normal operation 4-20mA (Fault < 0.5 mA or > 23.2 mA)
Settings		<ul style="list-style-type: none"> • 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
Power Supply		15 to 30 Vdc (nominal 24 Vdc)
Consumption		electrochemical : 30mA semiconductor : 100mA
Cabling (electrochemical)		2-wire, shielded, core size 0.9mm ² 2 cable gland M16 (outer 4 to 8 mm)
Cabling (semiconductor)		3-wire, shielded, core size 0.9mm ² 1 cable gland M16 (outer 4 to 8 mm)
Dimensions (LxHxP)		118 x 126 x 58 mm
Material		ABS
IP rating		IP65
Expected Lifespan		electrochemical : 24 to 48 month, depending gas to detect semiconductor : >24 months
Operating Temperature		electrochemical : -10 à + 45 °C semiconductor : -10 à + 60 °C
Operating humidity		electrochemical : 15% HR to 90% HR semiconducteur : 20% HR to 90% HR
Pressure range		1 bar ± 10 %
Response Time		NO ₂ : T ₉₀ < 60s, NO : T ₉₀ < 120s, Resp CO : T ₅₀ < 15s, Freon R134A : T ₅₀ < 30s
Certification		<ul style="list-style-type: none"> • Electromagnetic compatibility according to EN 50270:06 (typ 1) • ATEX II 3 G / Ex nA II CT4 • Complies with EN 14624 for freon

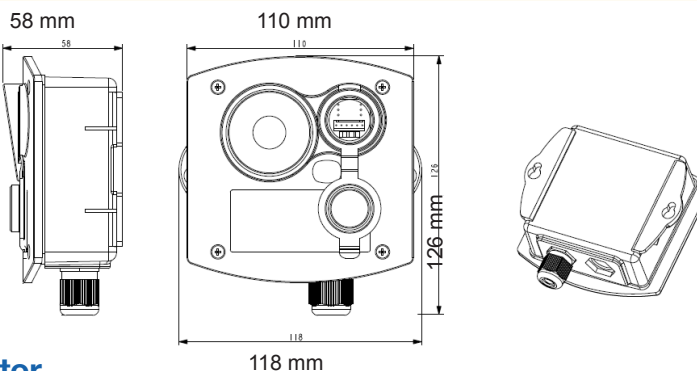
CERTIFICATIONS



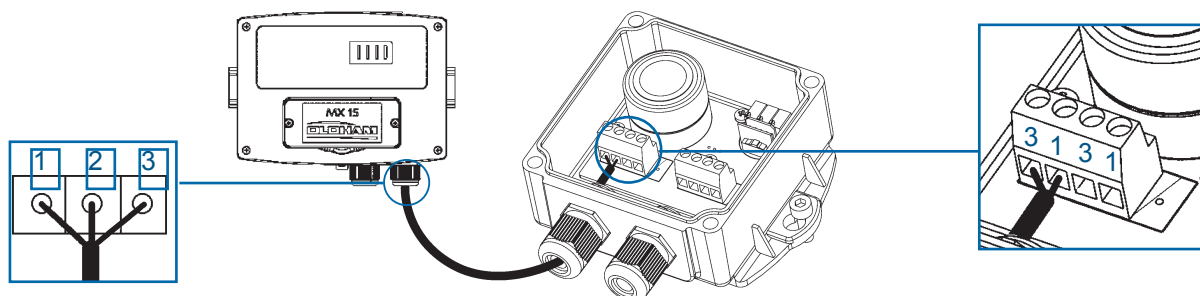
Detection, Protection, Innovation

Oldham SAS has more than 100 years of experience in safety, gas and fire detection systems. Oldham SAS is headquartered in Arras, France, and is a subsidiary of Tyco Gas and Flame Detection. Oldham employs hundreds of people globally with operations in France, USA, China, India and Germany. Oldham's mission is to be the best provider of fixed-point gas detection systems worldwide. Its wide range of application-driven products and expertise embody performance, quality and reliability.

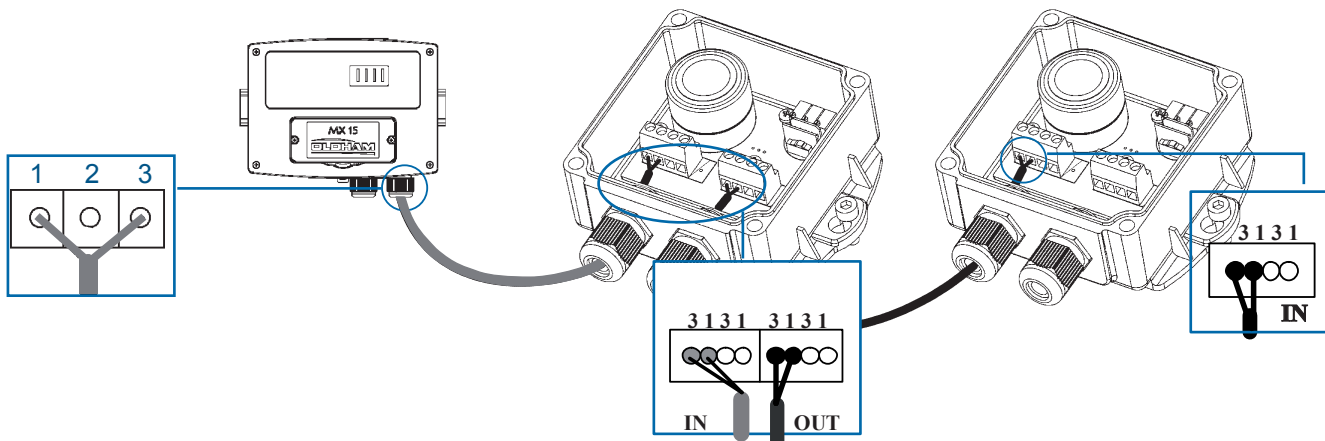
Dimensions



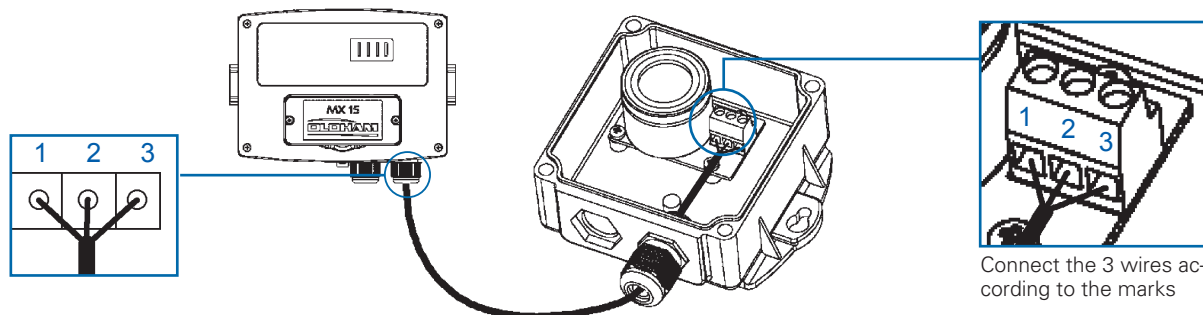
Wiring of 1 OLCT 10 detector



Wiring in parallel of 2 OLCT 10 detecting same gas (CO, NO or NO2)



Wiring of 1 OLCT 10 SC (with a semi-conductor cell)



As an ISO 9001 & ISO 14001 approved company, OLDHAM quality assurance programmes demand the continuous assessment and improvement of all OLDHAM products. Information in this leaflet could thus change without notification and does not constitute a product specification. Please contact OLDHAM or their representative if you require more details.

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