



## OLCT 10N

### Single Channel Controller

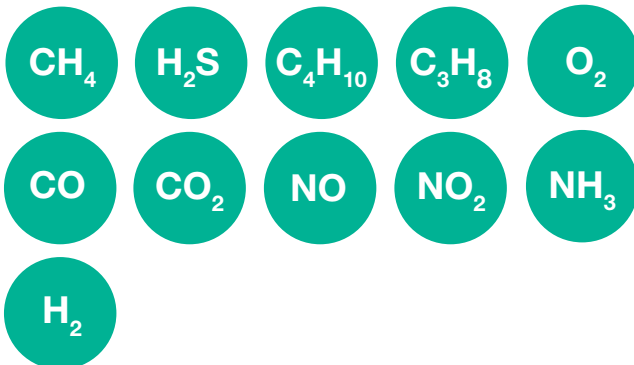


The OLCT 10N is a single channel digital detector designed for toxic gases, combustible gases and oxygen.

#### Simplified Installation

Intended for use in coordination with Oldham's MX 43 panel, the OLCT 10N provides a rapid response. With the capability of up to 32 detectors on the same digital line or across 8 lines, the OLCT 10N is application-driven, solution-oriented

#### Gases analysed



#### Flexibility and Reduced Maintenance

Non-intrusive operator interface requires only a simple magnetic wand allowing for one man calibration without opening the enclosure. All calibration information, such as span reserve, is stored in the MX43

#### Compliance with Standards

- ATEX Zone 2
- IP65 and ATEX II 3 GD

“The OLCT 10N is the ideal solution for safe areas or Zone 2 ATEX locations”

## KEY FEATURES

- Digital transmitter without display
- ATEX Approved
- Detects combustible, toxic gases and O<sub>2</sub>
- For use only with MX43 controller
- For commercial and light industrial applications

## Technical Specification

### GENERAL

- Detection of combustible gases, toxic gases or oxygen
- Digital technology
- Non-intrusive calibration
- Cost savings on wiring installation

### PHYSICAL

- Enclosure material: ABS, UV and shocks resistant
- Dimensions 118x110x60 mm
- Output: RS485 Modbus, proprietary protocol

### POWER

- Cable inlet: 2 x M16 cable entries, outer diameter 4-8 mm
- Consumption @24Vdc:
  - Electrochemical sensor: 2.5 mA
  - Catalytic sensor: 50 mA
  - CO<sub>2</sub> Infrared sensor:

### APPROVAL

- II 3 GD - INERIS 11ATEX3023X - IECEx 11.0029X
- Ex nA nC IIC T4 Gc for explosimetric versions /  
Ex nA IIC T4 Gc for others
- Ex tc IIIC T135°C Dc
- -20°C<Ta<+55°C
- Electromagnetic compatibility according to EN50270

### GAS RANGES

- CH<sub>4</sub>, C<sub>3</sub>H<sub>8</sub>, C<sub>4</sub>H<sub>10</sub>, H<sub>2</sub> : 0-100 % LEL (-20°C to + 55°C)

- O<sub>2</sub> : 0-30 % vol. (-20°C to + 50°C)

- CO : 0-300 ppm / 0-1000 ppm (-20°C to + 50°C)

- H<sub>2</sub>S : 0-30 ppm / 0-100 ppm (-20°C to + 50°C)

- NO : 0-100 ppm / 0-300 ppm (-20°C to + 50°C)

- NO<sub>2</sub> : 0-10 ppm / 0-30 ppm (-20°C to + 50°C)

- NH<sub>3</sub> : 0-100 ppm / 0-1000 ppm (-20°C to + 40°C)

Rev 2.1 June 18

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