



Intelligent Multi Sensor

Addressable – Devices

Part No. ACD-EN

www.illuminoignis.co.uk

Product Details

addressable loop-powered multi-sensor, with smoke, heat and CO sensing elements. The unit offers 24 different modes of operation*² and seamlessly matches the other sensors in the ESP Range. The CO sensing element can be used to detect smoke as well as life-threatening CO levels (acting as a CO alarm).

Note: Control Panel compatibility required



Key Features

- Low profile
- Heat, optical and CO sensing elements
- CO Alarm (COHb) facility
- 10 year CO sensor life*¹
- Programmable fire threshold level
- RI & LED controllable separately if required*²
- 2 colour LED (Polling: green, fire: RED)
- 24 EN approved modes of operation.

Technical Specifications

Operating Voltage	17 – 41 VDC	
Loop Pulse Voltage	7 – 9 VDC	
Current Consumption	Quiescent	410 µA (typ)* ³
	Loop current (when polled)	22 mA ± 20%* ³
	Remote Indicator	8.0 mA ± 20%* ³
	LED current	9.1 mA* ³
	Surge current	40 mA (for 50 ms)
	Maximum consumption	30 mA
Operating Temperature Range* ⁴	- 10 °C to + 50 °C	
Relative Humidity	< 95% RH (at 40 °C) < 80% RH (at 50 °C)	
Storage Temperature Range	- 20 °C to + 50 °C	
Colour / Case Material	Ivory or white / polycarbonate (outer cover) / PC/PS-GF (terminal plate)	
Weight without Base (g)	105	
Diameter (mm) / Height (mm)	Ø 100 / 45 (without base)	
Compatible Bases	YBN-R/3, YBN-R/3(SCI), YBO-BS, YBO-BSB2	
IP rating	IP42	
Approvals	EN 54-5:2017 + A1:2018, EN 54-7:2018, EN 54-26:2015, EN 54-29:2015, EN 54-30:2015, EN 54-31:2015, CEA 4021:2003	

Note: This sensor does not support sleep mode.

*¹ Dependent on operational usage.

*² Panel compatibility dependant.

*³ Currents are cumulative.

*⁴ Operating temperature complies with standard sensitivity.

For further information visit our website.

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