

# ESPintelligent

## ACD-EN

### Addressable Multi Sensor with CO Detection

#### Features

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



ACD-EN(WHT)

#### Description

An addressable loop-powered multi-sensor, with smoke, heat and CO sensing elements. The unit offers 24 different modes of operation\*1 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

#### Specification

Supply voltage	Operating voltage	17 – 41 VDC
	Loop pulse voltage	7 – 9 VDC
Current consumption (loop)	Quiescent	410 $\mu$ A (typ)*2
	Loop current (when polled)	22 mA $\pm$ 20%*2
	Remote Indicator	8.0 mA $\pm$ 20%*2
	LED Current	9.1 mA*2
	Surge current	40 mA (for 50 ms)
Compatible bases	YBN-R/3, YBO-R/SCI, YBN-R/3(SCI), YBO-BS, YBO-BSB, YBO-BSB2	
Operating temperature range*3	-10 °C - +50 °C	
Installation temperature range	-20 °C - +50 °C	
Storage temperature range	-20 °C - +50 °C	
Relative humidity	<95% RH at 40 °C <80% RH at 50 °C	
Dimensions	100 mm diameter x 45 mm (without base)	
Case material	Polycarbonate (Outer Cover) / PC/PS-GF (terminal plate)	
Colour	Ivory (ACD-EN), White (ACD-EN(WHT))	
LPCB Approvals	EN 54-5:2000 + A1:2002, EN 54-7:2000 + A1:2002 + A2:2006, EN 54-26: 2015 EN 54-29: 2015, EN 54-30: 2015, EN 54-31: 2015, CEA 4021:2003	
Weight (without Base)	105g	

Note: This sensor doesn't support sleep mode.

\*1 Panel compatibility dependant.

\*2 Currents are cumulative.

\*3 Operating temperature complies with standard sensitivity.

#### Ordering Codes

Product	Part Number
Addressable Multi Sensor with CO detection - Ivory Case	ACD-EN
Addressable Multi Sensor with CO detection - White Case	ACD-EN(WHT)

For further information visit [www.hochikieurope.com/acd](http://www.hochikieurope.com/acd)

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