

Gas Detector

Alpa EcoWent XT

Product code: PW-097-CO



Reliability



Cost efficiency



5 – year warranty

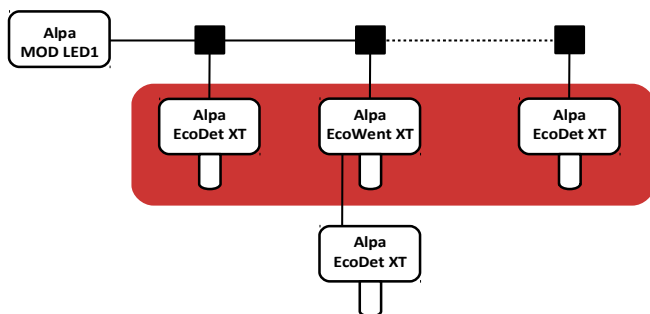
Information about the product

Alpa EcoWent XT Gas Detector is an advanced and versatile device designed for detection of carbon monoxide concentration in public access facilities, such as underground garages and car parks. Presence of the hazardous gas is revealed by means of a electrochemical sensor, which guarantees reliable operation of the device without false alarms and, in consequence, smooth operation of the gas detection system deployed on the monitored facilities. The detectors are immune to humidity, variations of ambient temperature and presence of other gases. The device measures concentration of gas within established time intervals and information about exceeding of permissible thresholds it provided to the system operator when the LED indicator provided on the side of the device is on. The communication between the detector and the master Control Unit is provided by the 4-20 mA output signal.

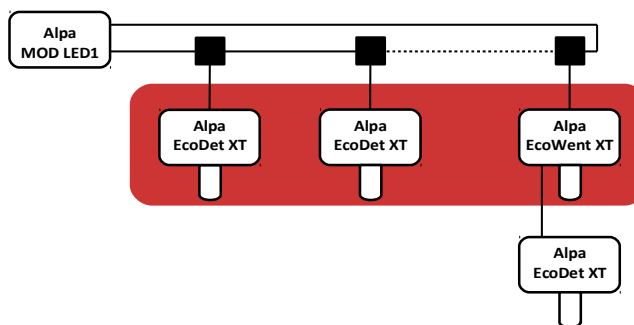
The Alpa EcoWent XT Gas Detector is not designed for installation in areas with potentially explosive atmospheres.

Location and role of the device in Gas Safety System

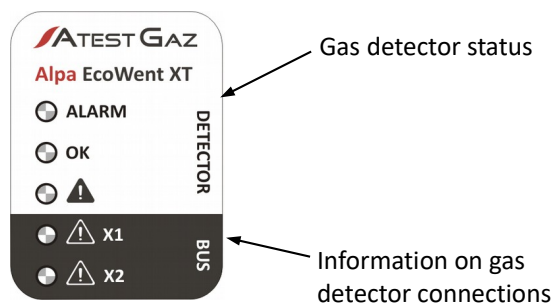
bus system open



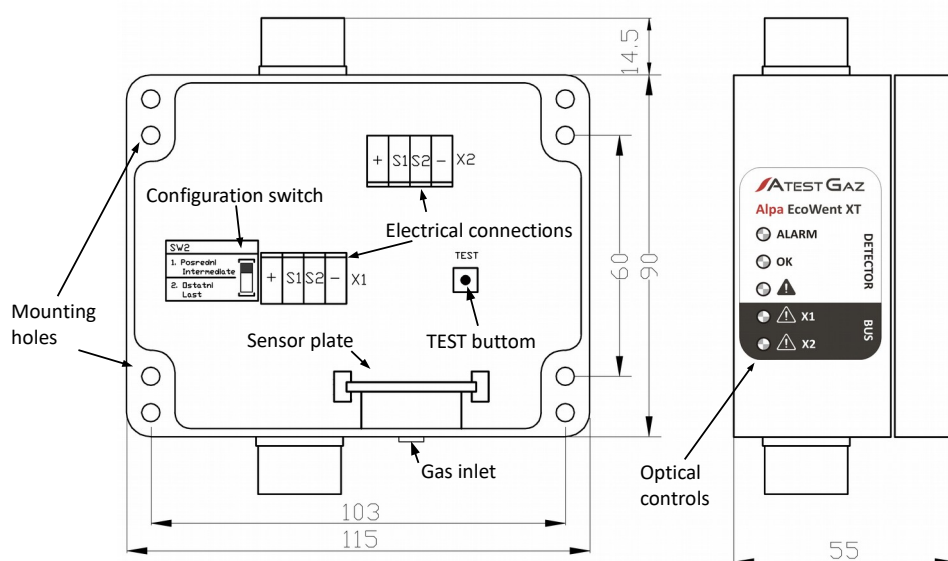
bus system closed



User interface



Electrical interface and dimension



Name	Pin	Description
X1		Gas detector / T-connector XT / control unit port
	+	Positive
	S1	Signal line S2
	S2	Signal line S1
	-	Negative

Name	Pin	Description
X2		Gas Detector EcoDet XT port
	+	Positive
	S1	Signal line S2
	S2	Signal line S1
	-	Negative

Technical specification

Power supply	10 – 42 V $\bar{\text{=}}$	
• Voltage Vcc	40 mA	
• Current I _{ZAS}		
Environment	In operation	Storage
• Ambient temperatures	-20 – 40 °C	0 – 40 °C
• Humidity	10 – 90% long term 0 – 99% short term	30 – 90% long term
Measured substance	Carbon monoxide (CO)	
Measuring range	300 ppm	
Standard configuration		
• warning 1	20 ppm	
• warning 2	40 ppm	
• alarm	100 ppm	
IP	IP 43	
Analogue input parameters		
• R _{IN}	200 Ω	
Analogue output parameters		
• R _{LOAD_MAX}	200 Ω	

1 When working in residential buildings, public utilities, car parks and garages

The output signal according to the gas detector status:	
• failure	2.4 mA
• operation	4 mA
• warning 1	9 mA
• warning 2	11 mA
• alarm	15 mA
Integrated signalling equipment (visual)	LED controls
Protection class	III
Cable glands (cable diameter range)	Gland pressed into the installation pipe – diameter of the pipe 16 mm. Glands multiband – diameter of wire 3.5 – 12 mm
Acceptable cables core	0.25 – 1.5 mm ² – wire cores 0.25 – 1 mm ² – multi-wire cable
Enclosure material	ABS
Weight	0.3 kg
Mandatory periodic inspection	Every 12 months (Calibration Certificate validity)
Lifetime of consumables	Measurement head MiniPel PWS-016-NG - 5 years ¹
Mounting	4 holes for screw diameter 4 mm

Product marking

Product code	Device
PW-097-C	Alpa EcoWent XT Gas Detector



Atest Gaz A. M. Pachole sp. j.
ul. Spokojna 3, 44-109 Gliwice

tel.: +48 32 238 87 94
fax: +48 32 234 92 71
e-mail: contact@atestgaz.pl

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