CO-WE (2nd Generation)

PYRONIX
HIKVISION

Be CO safe

A CO-WE (2nd Generation) to detect and protect from highly dangerous carbon monoxide (CO) gas.

The CO-WE (2nd Generation) extends capabilities beyond security to detect highly toxic, colourless, odourless, tasteless and potentially deadly CO gas.

For use in residential properties where gas burning appliances are installed, the detector is an essential lifesaving device and upsell, which protects homes and families from CO; raising the alarm locally via its in-built 85dB sounder and remotely via connected Pyronix smart device apps, if any CO is present.

For more information

CO-WE (2nd Generation)

120ø mm

Partcode	CO-WE
Carbon Monoxide Detector	
Specifications	
Dimensions (ø x D)	120 x 37mm
Weight (including battery)	195g
Detection	Carbon Monoxide only
RF power supply	1 x 3V, CR123A (replaceable)
RF battery life	2 years
Sensor power supply	2 x 1.5V, AA (non-replaceable)
Sensor battery life	10 years
Sensor low voltage alert	2.6 - 2.7VDC
RF low voltage alert	2.5V +/-5% @ 25°C
Sensor standby | alarm current	25uA | 120mA
Sound level	85dB (A) @ 3 metres
Visual indications	Power, fault and alarm
Transmission frequency	868MHz FM transceiver narrow band
Transmission method and range	Fully encrypted rolling code, 300m
Operating temperature	-10ºC - 50ºC
Humidity	5 - 90%
Sensitivity range	EN 50291-1: At 50ppm, the unit must alarm within 60 - 90 minutes At 100ppm, the unit must alarm within 10 - 40 minutes At 300ppm, the unit must alarm within less than 3 minutes
Standards	EN50291-1:2010+A1:2012
Certifications	
Electrical conformity	CE
Environmental class	II

Electrochemical detection for optimum performance

The CO-WE (2nd Generation)'s specially designed chamber allows CO into it. Once inside, a chemical reaction occurs that emits an electrical current as a by-product; the amount of electricity generated is directly proportional to the concentration of CO gas present in the atmosphere. The CO-WE (2nd Generation) determines the concentration by monitoring the electrical current; triggering the alarm if this is too high.

Loud and obvious alarms

The CO-WE (2nd Generation) has a built-in 85dB local sounder which works independently from the alarm panel, as well as flashing LED lights when CO is detected. Alongside this, a detection alarm will be sent to the control panel to trigger an alarm, as well as send a voice push notification remotely to the user via connected Pyronix smart device apps. Providing an obvious alarm when CO is detected.

Be in control with full low-battery supervision

The main detection element of the detector features a fixed L91 lithium battery, continuously detecting within a property and providing peace of mind for 10 years - when running low, this is signalled as a fault on the control panel. The radio module itself has a CR123A battery, providing the usual lifespan of up-to 2 years. When the battery is running low on the radio module, the detector will send a signal to the control panel and the user will receive a push notification via their connected smart device app, to report the issue.

Rest with reassurance thanks to the manual test

The CO-WE (2nd Generation) features an external test button, allowing property occupiers to easily test and verify the battery status of the detector and ensure it is still alarm operational. This can also be pressed to silence the alarm. Keeping users in control of their safety.

Fault monitoring diagnostics

The CO-WE (2nd Generation) features self-diagnostics; if there's anything wrong with the detector, fault messaging within the main element will send the fault over to the panel, while locally the flashing LEDs on the detector will denote the issue.

Faster installation, less invasion, upsell opportunities and the same superior security with two-way wireless technology:

• No wires, no fuss

Fully wireless means there is no need to run wiring by lifting floorboards or moving furniture; saving time and money.

• One-Push-To-Learn

A feature in all Enforcer wireless devices that means learning them onto the system can be done in seconds. A simple one-button learning feature for easy installation. Once in commissioning mode, the external test button of the CO-WE (2nd Generation) becomes the one-push-to-learn button, making installation quick and simple.

• Signal Strength Indicators (SSI)

SSI in all Enforcer wireless devices allow them to be optimally positioned during installation, without the need to refer back to the panel.