

# 206 AC plug-in natural gas alarm

EN 50194, UL 1484, (CE (RED) CE

Gas detector and alarm for residential applications

## Description

206 AC plug-in natural gas alarms are state-of-the-art inflammable gas detectors, with spoken voice warning messages. Advanced electronics in conjunction with a semiconductor gas sensor provides early detection of natural gas, with high immunity against unwanted alarms.

Models are available with wireless interconnection to create a local network of devices. Additional models are available Wi-Fi connection to an internet access point as part of a smart-home solution. Some models include both wireless interconnection and Wi-Fi connection.

The 206 AC plug-in natural gas alarm range provides home owners and installers with an easy-to-install, intelligent solution for life safety and property protection applications.

### Features

- Detects natural gas (CH<sub>4</sub>)
- Stable gas sensing chamber. No adjustment or replacement required
- Displays gas concentration levels as LEL percentage
- Detects excessive temperature
- High immunity against unwanted alarms
- Voice messages alerts building occupants
- Loud 85 dB internal voice alarm sounder
- Dedicated test control
- Separate indicators for Alarm, Fault and Power
- Wireless interconnection available on some models to create a local network of devices
- Wi-Fi connection to wireless access point and smart home application available on some models
- Wireless and Wi-Fi available on some models
- AC plug-in mains power
- Low power consumption
- Attractive housing design
- Easy installation. No programming required
- Low maintenance

### Compliance

206 AC plug-in natural gas alarms have the following compliance  $^{\rm a}.$ 

	206-005	206-006	206-007	206-008
EN 50194 <sup>b</sup>	1	✓	1	1
UL 1484 °	1	✓	1	1
CE (RED) d	_	✓	~	✓
Wi-Fi Alliance	_	—	1	1
CE °	1	1	1	1

<sup>a</sup> Third-party conformance assessment has not been undertaken.

<sup>b</sup> EN 50194 Electrical apparatus for the detection of combustible gases in domestic premises. Test methods and performance requirements

° UL 1484 Residential gas detectors

<sup>d</sup> EU directive 2014/53/EU Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC Text with EEA relevance.

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<sup>e</sup> Conformité Européenne
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206 natural gas AC plug-in gas alarm

### Accessories

The following accessories are compatible with 206 AC plug-in natural gas alarms.

Region	Part Number	
Canada, USA	262-001	
Europe, Middle East	262-002	
UK, Singapore	262-003	
A/NZ, China	262-004	
	Canada, USA Europe, Middle East UK, Singapore	

<sup>a</sup> Refer IEC world plugs <u>https://www.iec.ch/worldplugs/list\_bytype.htm</u>

#### **Applications**

For Wi-Fi models, smart phone applications are available by scanning the following QR Code or searching for *Smart Life* – *Smart Living* in the Apple App Store for iPhones, or Google Play for Android phones.







iOS / Android App Smart Life - Smart Living

# Specifications

206-008			
<i>service.</i> (repeating) ry device: Red LED or			
<i>service.</i> (repeating) ry device: Red LED or			
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<i>service.</i> (repeating) ry device: Red LED or			
<i>service.</i> (repeating) ry device: Red LED or			
lica device: Red LED flashes every 1 s			
imary device: Gas entration level (% LEL) plica device: "A – A"			
ps (0.5 s on, 0.5 s off) silence (repeating)			
≥ 85 dB @ 3 m			
Red LED			
Gas concentration level flashes every 1 s			
9 min			
< 30 s			
1 s			
ary device: Red LED Replica device: Off			
ry device: Temperatur olica device: "A – A"			
(°C) Replica device: "A – A" (°C) Replica device: "A – A"   Attention! High temperature is detected. Evacuate the area immediately and call the fire service. (repeating) (°C) (°C)			
ps (0.5 s on, 0.5 s off) silence (repeating)			
ary device: Red LED Replica device: Off			
Replica device: Off     Replica device: Off       Temperature flashes every 1 s			
ary device: 0% LEL to 15% LEL eplica device: "[  ["			
Replica device: "[ ["     Replica device: "[ ["       < 10% LEL level: Your alarm is being tested. Your alarm will sound. Gas is detected. Close any sources of gas immediately. Ventilate the area and contact your service provider.			
ps (0.5 s on, 0.5 s off) silence (repeating)			
1 s Yellow LED			
7 1 min)			

## **Specifications (cont.)**

Fault Condition Hush	206-005	206-006	206-007	206-008
Hush time		10	h	•
Digital display	F_1			
Wireless Interconnection				
Wireless radio interconnection operating frequencies	_	433 MHz, 868 MHz, 915 MHz	_	433 MHz, 868 MHz, 915 MHz
Number of interconnected devices	_	No limit within signal range	_	No limit within signal range
Maximum distance between interconnected devices	_	500 m in free air	_	500 m in free air
Group mode configuration indication on primary device	_	Display shows "P0" for 50 s	_	Display shows "P0" for 50 s
Group mode connection indication on replica device(s)	_	Display shows "J0" for 5 s, then "[]" if successful	_	Display shows "J0" for 5 s, then "[]" if successful
Group mode cancellation indication on primary device	_	Display shows "" for 1 s	_	Display shows "" for 1 s
Group mode configuration timeout	—	50 s	—	50 s
Wi-Fi				
Network standard	_		IEEE 802.11b/g/n	
Frequency band (2.4 GHz)		—	(2.4000 ~ 2.4835) GHz	
Antenna	_		Internal. Gain: 2.0 dBi	
Security		_	WPA/WPA2	
Encryption		_	WEP/TKIP/AES	
Radio range		—		70 m in free air
Environmental				
Operating temperature	(-10 ~ +55) °C			
Operating humidity	(0 ~ 95) % RH, non-condensing			
Storage temperature	(-25 ~ +80) °C			
Storage humidity	(0 ~ 98) % RH, non-cond		on-condensing	
Miscellaneous				
Dimensions (h × w × d) (excl. plug)	(90 × 90 × 35) mm			
<sup>a</sup> Following completion of a Test, the audible test signal from in	terconnected device	s may take up to 10 s to silence		

## **Ordering Information**

	Wireless Interconnection	Wi-Fi
206-005	—	—
206-006	$\checkmark$	_
206-007	—	$\checkmark$
206-008	$\checkmark$	$\checkmark$



