

METHANE DETECTORS

AE09/GM, AE09/GM12 & AE09/GM24

Description

Microprocessed gas detector, designed according to the UNE-EN 50194 standard, allows detecting the presence of METHANE gas (natural gas or city gas).

The detector is calibrated to warn of danger when a gas concentration is reached that exceeds 10% of the Lower Explosive Limit (L.I.E.). When the concentration level is again less than 10% L.I.E., for a certain period of time, the detector will automatically reset.

The detector is classified as "Type A Apparatus", as it provides a visual and audible alarm and an output that can act directly or indirectly on a cut-off device and / or other auxiliary devices.

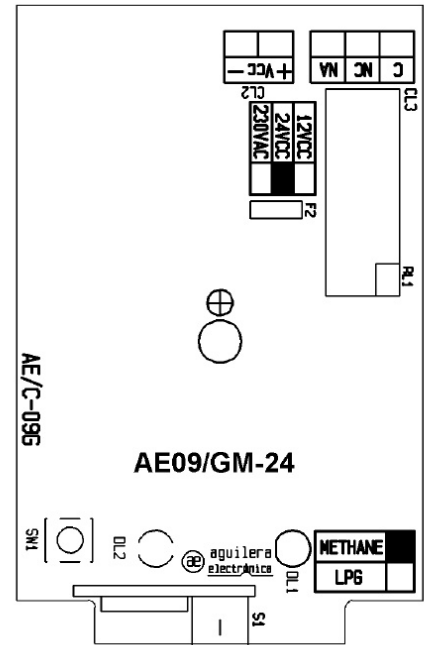
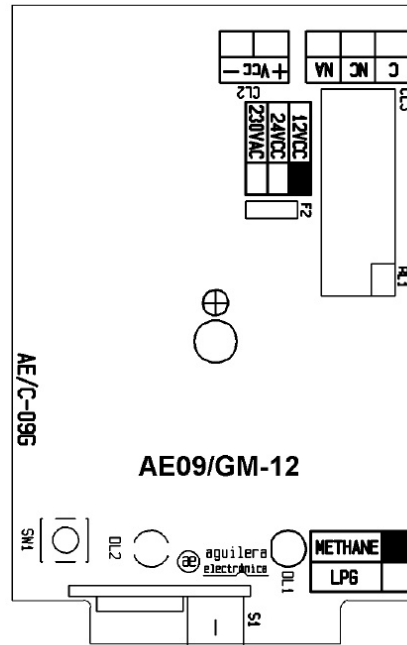
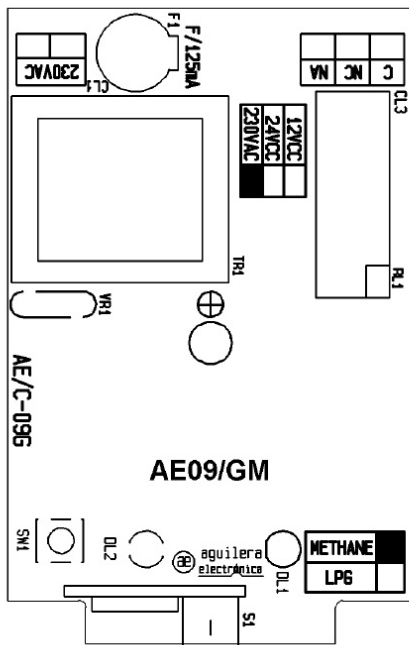
Dispose of:

- Green power indicator light and detector in service.
- Red alarm indicator light.
- Orange fault indicator light.
- Acoustic indicator for pre-alarm and alarm by piezoelectric buzzer.
- Relay output by voltage free NO, C and NC contacts.
- Internal pushbutton for functional test cycle.



Connection

To connect the detector, it is necessary to open the detector, pressing on the sides of the cover, in order to access the connection terminals.



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TECHNICAL CHARACTERISTICS			
References	AE09/GM	AE09/GM-12	AE09/GM-24
Supply voltage:	230V AC	12V DC	24V DC
Consumption in heating cycle:	13 mA	31 mA	110 mA
Consumption at rest:	12 mA	13 mA	70 mA
Consumption in alarm:	14 mA	56 mA	122 mA
Classification:	Type A Apparatus		
Relay contacts:	C, NC and NO voltage free.		
Maximum current relay contacts:	8A 250VAC/30VDC		
Service indication:	Green color, fixed activation		
Heating cycle indication:	Activation of the Fault (orange) and Alarm (red) indicators alternately		
Fault status indication:	Orange color, fixed activation		
Pre-alarm status indication:	Red color and acoustic indication, intermittent activation		
Alarm status indication:	Red color and acoustic indication, fixed activation		
Acoustic alarm:	Piezoelectric buzzer, 3300Hz, 85 dB		
Alarm level:	10% L.I.E. METHANE gas (CH ₄)		
Alarm confirmation:	10 seconds		
Relay activation delay:	8 seconds		
Initial warm-up period:	120 seconds		
Temperature range:	0° - +50° C (room temperature).		
Humidity range:	Relative humidity 10% - 90% non-condensing		
Housing material:	ABS White		
Dimensions:	130 x 70 x 52 mm		
Weight	300 gr	133 gr	137 gr