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ESKA



ESKA VALVE is gas equipment producer (Gas Pressure Regulators, Gas Filters and Valves) in Turkey since 1968. Our certified products are being used in civic and industrial areas all around the world.

For 50 years, our product portfolio, operations and ESKA VALVE family has grown and still keep growing. Ingenuity, reliability and hard work led us to be the market leader in Turkey and expanded our international operations in more than 30 countries in global scale. By the time you read this text , probably we will be reaching out another locations and placing our products into grids.

By examining, following and applying 133 national and international standards from our R&D Department library, and with our Quality Department's deep commitment to test each and every product on over 100 inspection-test points have made us to produce annually more than 1.000.000 accurate and reliable unit products which 52 gas distribution companies trust worldwide .

Hope to gain your trust and see you in our ever-growing family.

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ESKA®
VALVE

GAS ALARM DETECTOR

Detects Natural Gas and LPG.
Sensor Expiration Date is 5 years.
Device Expiration Date is 7 years.

Model No: EAC 20  

ALARM

FAULT

POWER

E A C
SERIES

INTRODUCTORY AND TECHNICAL INFORMATION

EAC model gas alarm device is an A type device, which complies with the EN 50194-1 standard, designed to be used at homes, offices and similar places to detect the explosive gases (natural gas and LPG). It is an electrical alarm device constantly working, set on a stable place and which creates an output signal that activates the stopper and/or auxiliary device with a visual and audial warning. It works with 230V AC 50/60 Hz network voltage. It makes the devices like horn, siren, gas stopping valve in case of an alarm thanks to its output contact.

The limit of the concentration level of the gases in the environment at which explosion or sparking is called Lower Explosion Limit (LEL).the LEL level of the natural gas is 5% and the LEL of the LPG is 2%; the gas alarm device starts audial and lightened (visual) warning before the gas leak reaches one-fifth of this value. Visual and audible alarm is received between the 3% LEL volume rate and 20% LEL volume rate of the gas.

The alarm adjustment level of the device for natural gas is %0,5 (five in a thousand) or 5.000 ppm (five thousand in a million) (5%).

The alarm adjustment level of the device for LPG is % 0,2 (two in a thousand) or 2.000 ppm (two thousand in a million) (5%). The device can't detect the gases with hazardous effects such as carbon monoxide.

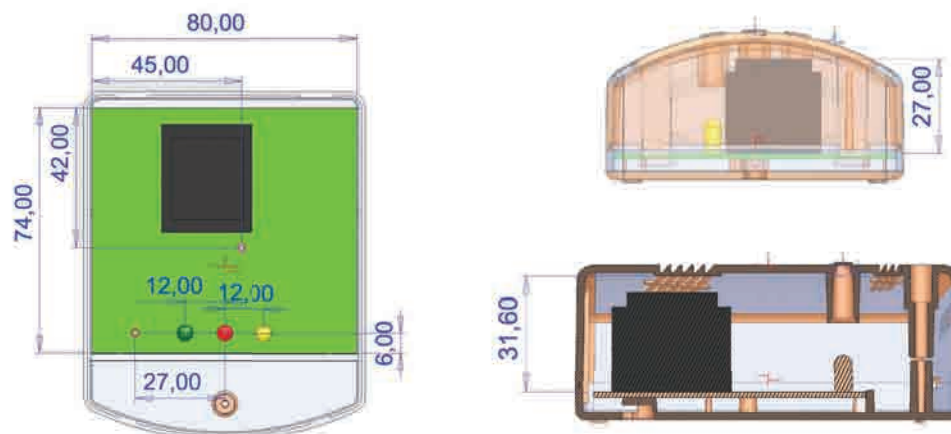
The visual and audible alarms of the gas detection device works within 30 seconds at most after the device is exposed to the gas volume it needs to detect..

The operation and feeding voltage of the product is 230VAC. The product can perform all its functions with 10% of the operation voltage.

The device must be kept away from the rain and water.

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|------------------------------------|---|--------------------------------|---|
| • Usage | : Home, Office etc. | • Response Time | : 30 seconds |
| • Detects Gases | : Methane (natural gas), LPG
(liquefied petroleum gas) | • Sound Intensity | : 85Db |
| • Device Type | : Type A (visual alarm, audible
alarm and output signal) | • Body Material | : ABS |
| • Operating Voltage | : 230V AC 50-60 Hz ; ± %10 | • Ambient
Temperature Range | : -10°C up to 50°C |
| • Power Consumption | : 3VA | • Operating Humidity | : 10% – 90% |
| • Protection Class | : IPX2D | • Visual Warning | : Green-System Enabled Error
Yellow, Red-Alarm |
| • Output Signal
(relay contact) | : 230V AC / 7A (normally open) | • According to
Directives | : 2006/95/EC, 89/336/EC |
| • Sensor Type | : Semiconductor | • According to
Standards | : EN 50194-1, EN 50270,
EN 60335-1 |
| • Calibration Time | : 1 minute | | |

DIMENSIONS





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