

Detector Specifications

Gas concentration sensor DKJ-01 is intended for flammable gases for detection in the environment, measurement of their concentration and data transmission

The scope of application of the sensors is gas concentration control in domestic, administrative, in public and industrial premises, garages, tunnels.
for flammable gases explosive environments

Technical parameters

- measurement range
- flammable gases: 0...50% LEL:

Flammable gas concentrations, absolute measurement error: ±3% LEL;
Preparation time for work is 60 seconds.
Sensor dimensions 98 x 65 x 35 mm
Sensor weight 300 g



works in a pair with control panel US-02

Gas Type	flammable gases								
	DKJ-1 gasoline vapors	DKJ-1 ethane	DKJ-1 hydrogen	DKJ-1 butane	DKJ-1 acetone	DKJ-1 metane	DKJ-1 propane	DKJ-1 LPG	
Model Number	DKJ-1 gasoline vapors	DKJ-1 ethane	DKJ-1 hydrogen	DKJ-1 butane	DKJ-1 acetone	DKJ-1 metane	DKJ-1 propane	DKJ-1 LPG	
Supply Voltage	12-24V DC	12-24V DC	12-24V DC	12-24V DC	12-24V DC	12-24V DC	12-24V DC	12-24V DC	
Sensor Type	Semiconductor	Catalytic	Catalytic	Catalytic	Catalytic	Catalytic Semiconductor	Catalytic Semiconductor	Catalytic Semiconductor	
Sensor Life	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	
Range	0-50%LEL	0-50%LEL	0-50%LEL	0-50%LEL	0-50%LEL	0-50%LEL	0-50%LEL	0-50%LEL	
Operating Temperature	-20 to 50°C	-20 to 50°C	-20 to 50°C	-20 to 50°C	-20 to 50°C	-20 to 50°C	-20 to 50°C	-20 to 50°C	
Maximum Humidity (Constant)	15-90% RH	15-90% RH	15-90% RH	15-90% RH	15-90% RH	15-90% RH	15-90% RH	15-90% RH	
Maximum Humidity (Intermittent)	0-99% RH	0-99% RH	0-99% RH	0-99% RH	0-99% RH	0-99% RH	0-99% RH	0-99% RH	
Response Time	20 seconds	20 seconds	20 seconds	20 seconds	20 seconds	20 seconds	20 seconds	20 seconds	
Recommended Storage Temperature	0 to 20°C	0 to 20°C	0 to 20°C	0 to 20°C	0 to 20°C	0 to 20°C	0 to 20°C	0 to 20°C	

CONTROL PANEL US-02

- Control panel US-02 is intended for:
- supply voltage to gas concentration sensors DKJ-01;
 - receive information from sensors and process it;
 - create a light and sound alarm, and switch the relay contacts,

when the gas concentration exceeds the set emergency levels;

The working mode of the alarm is continuous.

Maximum connected number of sensors DKJ-01 : 4 units

- Ambient temperature from 0 to plus 50oC;
- Relative humidity (60 ± 20) %;
- Atmospheric pressure from 84 to 106.7 kPa;
- Relative humidity (30...80) %;
- Working environment - non-explosive;
- supply voltage from 180 to 250 V, 50Hz;



X

4
units

