

Carbon oxide gas alarm COY1



Designed for alarm actuation when the set threshold values of carbon oxide mass concentration in air are exceeded.

Application: in boiler houses; in residential sector of community facilities, and also in mines, wells, parking garages, garages and other places where there is a possibility of carbon oxide accumulation and emission.

Principle of operation - electrochemical.

Sampling - diffusion.

Type of gas alarm – fixed.

Basic technical characteristics

Characteristics	Values	Remarks
Standard threshold setting, mg/m ³	1st 2nd 20 100	
Relative response error, %, not more	± 25	
“Dry” relay contacts response when the set threshold values are exceeded: 1st threshold 2nd threshold	one group one group	“Dry” relay contacts parameters: ~220 V; 5 A =30 V; 2,5A
Operating temperature range, °C	from -10 to +50	
Degree of gas alarm enclosure protection	IP30	
Supply voltage, V	from 150 to 253	frequency 50±1 Hz
Power consumption, VA, not more	5	
Warm-up time, min, not more	60	
Alarm actuation time, s, not more	45	
Overall dimensions, mm, not more	195x60x120	
Weight, kg, not more	1	
Device service life, years, not less: for sensor	10 5	in ambient air

Advantages

- modern design of gas alarm enclosure;
- availability of «dry» relay contacts with increased output capability up to 5A, 220V, which execution units;
- availability of external input «emergency», it allows to connect the devices in loop with gas alarms СТГ-1 and СТГ-6M or connect the devices to fire or burglar alarm;
- availability of «test» button that allows to check serviceability of device and shut-off valves without using of gas mixtures;
- extended temperatures range from -10 to +50°C;
- availability of connection to dispatcher desk;
- connection by means of clamp connections;
- service life of sensing element is not less 3 year;

Delivery set:

Gas alarm, SPTA set, technical documentation.

The following items are supplied on special order for gas alarms verification: TGM-SSS cylinders; fine adjustment valve ИБЯЛ.306577.002; flow rate indicator ИБЯЛ.418622.003-01; dispatcher desk ДИСП ИБЯЛ.465213.003 (designed for signal EMERGENCY reception from gas alarm, light and audible alarm actuation with simultaneous switching of «dry» relay contacts), ЭХД (electrochemical sensor) ИБЯЛ.305649.035-83 instead of sensor that has reached its service life.