

Power supply and alarm unit БПС-3



Designed for power supply of gas alarms СТГ-3 and СТГ-3-И when they are connected in loop, generation of light and audible alarms when any gas alarm in loop is actuated, with simultaneous switching of dry relay contacts on two thresholds.

Application

Providing of multipoint monitoring of air parameters in working areas of accommodation, public spaces, administrative and production facilities and open spaces by means of gas alarms СТГ-3 and СТГ-3-И.



The units are fixed automatic devices.
Operating position - vertical.
Mode of operation - continuous.

Versions of power supply and alarm units

Designation	Name of units	Type of input signal on alarms actuation	Name of gas alarms connected to units	Connection with external devices
ИБЯЛ.426479.046 (without digital indication)	БПС-3	dc voltage signal	СТГ-3-XX	relay output
ИБЯЛ.426479.046-01 (with digital indication)	БПС-3И	digital address interface	СТГ-3-И-XX	relay output and on interfaces RS485 and RS232



Emergency alarm "GAS" - shutoff alarm, switching-off is possible only by pressing the button "DISCHARGE" on the unit.



Quantity of polled sensors for БПС-3 is not limited, for БПС-3И up to 64 sensors.

Basic technical characteristics

Characteristics	Values	Remarks
Supply voltage, V	from 150 to 253	(50±1) Hz (effective value)
Consumed power, VA	120	at maximum output load
Output voltage, V	34±2	maximum load current 2A
Warm-up time, min	5	
Audible alarm level, dB	85	at a distance of 1 m
Ambient temperature, °C	+1 / +40	
Protection degree	IP 30	
Overall dimensions, mm	240x240x120	weight 2,0 kg
Parameters of dry relay contacts	= 30 V, 5 A; ~ 250 V, 5 A	load - resistive



For units БПС-3, БПС-3-И:
> relay "THRESHOLD1" - normally closed 1 pc. / normally open 1 pc.;
> relay "THRESHOLD 2"- normally closed 1 pc. / normally open 1 pc.;
> relay "STATE"- lever;
> relay "FAILURE" - lever.



Standard equipment

> Power supply and alarm unit БПС-3;
> SPTA set;
> Documentation.



Optional items can be ordered

Disk with software ИБЯЛ.431212.002 for БПС-3-И and СТГ-3-И.