GJD-L3C

Instruction GJD-L3C Oxygen Monitor

The content of Oxygen (O_2) in atmospheric air is normally in the range of 20,8-21,0 Vol.-%.

Alarm level 1: 19 Vol.-% - activation of “ALARM 1”
Alarm level 2: 17 Vol.-% - activation of “ALARM 2”

When the switch is turned ”ON” the green indicator is lit and the oxygen alarm monitor is in operation.



By Alarm 1
If the oxygen level drops below 19 Vol.-% the red “ALARM 1” is lit and the internal buzzer is activated. The alarm 1 relay is activated as well.

By Alarm 2
If the oxygen level drops below 17 Vol.-%, the red “ALARM 2”is lit and the internal buzzer is activated. The alarm 2 relay is activated as well.

In case of high alarm the room should be left immediately!

By Fault
If the control panel is in fault mode the yellow “FAULT” indicator is activated and the fault relay is deactivated.
The fault mode might have several reasons, e.g. cable break, missing calibration or time for time, etc.

Test
The ”TEST” button allows electrical testing of the system.
When the switch is pressed upwards, the alarm relays, the alarm indicators and the internal buzzer are activated.

Reset
After ”TEST” a “RESET” should be carried out by pressing the switch downwards for 4-5 seconds.
If the oxygen level in the room is too low, it will not be possible to reset the alarm central.

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Symptoms by lack of oxygen

Oxygen O_2 in the air	Symptoms for person in rest
19,5-23,5 Vol.-%	Normal well-being.
15,0-19,0 Vol.-%	Reduced ability to work concentrated. Possible troubles for persons with bad heart.
14,0-17,0 Vol.-%	Impaired balance. Dizziness.
12,0-14,0 Vol.-%	Deeper breathing, rising pulse as well as impaired coordination ability, perception and judgement.
10,0-12,0 Vol.-%	Deeper and faster breathing, rising pulse, impaired judgement and blue lips. Long-term impact might cause brain injuries.
8,0-10,0 Vol.-%	Nausea, vomit, faint, unconsciousness, ash-colored face and blue lips. Possible brain injuries within 4-5 minute's influence. Long-term impact causes death.
4,0 Vol.-%	Unconsciousness within one minute's influence. Cramps and cessation of breathing after which the death will occur.
0,0 Vol.-%	Instant dead.