

Ozone sensor

OS-11

The **OS-11 ozone sensor is designed to monitor ozone concentration**. It ensures compliance with the hygienic limit for the working environment. In most countries, this value is 0,1 ppm (0,2 mg/m³).

To work properly, the sensor should be installed directly in the space that is treated with DEZOSTER ionizers. In our product portfolio, we have **2 variants of room sensors**, as well as a variant for installation in **air ducts**.

Every ozone sensor works with the RJ-05 controller to control operation of DEZOSTER ionizers, exhaust fans, and signaling devices. Also, it can also be used with devices (ozone generators) from 3rd parties as a universal sensor for measuring low ozone concentrations.

FEATURES

- **Measurement of ozone concentration** in the environment
- Ensures **operation of ionizers** in compliance with hygiene and safety standards
- Every sensor is supplied with an individual manufacturer's **calibration certificate**
- Every sensor has **four user selectable switching** (alarm) signal levels
- A wide range of mounting options: **mounting on the wall, in air ducts, on yoke profiles**, or aesthetically **integrated into the cover of the switch**
- Can also be used with devices (ozone generators) **from other manufacturers/suppliers**



TECHNICAL DATA

	OS-11dDIP	OS-11dDM	OS-11A
Installation	Space-mount	Air duct	Space-mount (power switch)
Mounting option	Wall, yoke profile, metal construction	Air duct	Concealed installation box
Sensor type	Semiconductor		
Working environment	0-0,25 ppm; standard recommended range: 0,03-0,1 ppm		
Accuracy	10 % within range 0,03-0,1 ppm		
Start time	Maximum of 60 minutes		
Supply voltage	9-15 V stabilized, 150 mA		
Working temperature	From -10 °C to +50 °C		
Permissible humidity	Max. 90 % RH, without condensation		
Recalibration	12 months (recommended)		
Serial output	TTL		
Status signal	Signal of exceeding the set level (open collector 30 V, max. 100 mA)		
Voltage output	Custom-made	0-5 V; 0 V = 0 ppm, 5 V = 0,25 ppm	
Current loop	Custom-made	4-20 mA; Rload = 450 Ω/12 V	
Red/green LED indications	Green – power supply OK, O ₃ level below set value		
	Red - power supply OK, O ₃ level above set value		
	Flashing red LED: sensor recalibration/service required		
Dimensions (L x W x H)	120 x 90 x 50 mm	120 x 90 x 50 mm + ∅ 18 x 125 mm	88 x 80 x 40 mm
Weight	220 g	280 g	85 g
TUV certificate CE	EC Low voltage directive 2006/96/EC		
	EC EMC directive 2004/108/EC		
	Product safety: EN61000-6-3-2007, EN61000-6-2-2005, EN61000-3-2-2006, EN61000-3-3/A2-2005, EN610010-1-2001		
			