



# IONIZER SAIO SERIES

Automotive Sensor Solutions for Increased Well-Being and Energy Efficiency

## For Fresh Air and Increased Comfort in the Passenger Cabin

- Advanced Ionizer generating 36,800 negative ions for comfortable cabin air
- Small compact form factor for integration in the HVAC air flow channel
- Different electronic interface available, analog or LIN\*

# SAIO

## SENSIRION AUTOMOTIVE IONIZER

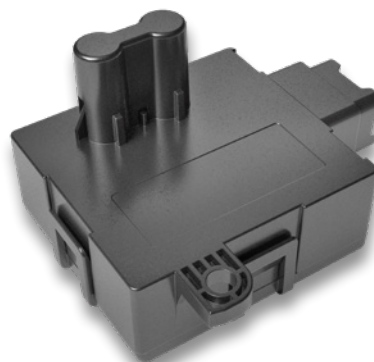
### FEATURES

- Generate up to 36,800 N-ions / cm<sup>3</sup> concentration
- Analog or LIN interface available\*
- RoHS and REACH compliant

### APPLICATIONS

#### VALUE TO THE CUSTOMER

- Combination and integration of SAIO series with HVAC system for fresh air in the passenger cabin
- When mounted close to the air outlets of the HVAC, the negative ions generate fresh air comparable to a waterfall in the mountains



### SPECIFICATIONS

SAIO Series Specifications	
Ion generating voltage	3.5 kV
Operating temperature	-20 to + 70 °C
Storage temperature	-40 to + 85 °C
Supply voltage	9 – 16 V
Operating current	< 120 mA
Electrical interface*	Digital or LIN*
Humidity**	20 % to 80 %
Ion counts	36,800 N-ions (120 cm from HVAC, 50 m <sup>3</sup> /h air flow)
Ozone level	< 11 ppb
Mech. dimensions	78 mm × 82 mm × 52 mm
Modes	On / Off

\* LIN interface is available on demands.

\*\* Sensirion Automotive Solution suggests with RH range in 40%–60% in order to achieve the best performance for ion concentration.