

## NLII-RH+T-SX | Combined RH/temperature sensor with SIGFOX

Room sensor NLII-RH is used to continuously monitor the air quality inside buildings and then control ventilation (HVAC) systems according to current levels of air pollution. The sensor measures the relative humidity (RH) and temperature (T). It is suitable for living rooms, bathrooms, warehouses, ateliers etc.

- > measures RH and temperature
- > 2x analog voltage/current output
- > SIGFOX wireless communication
- > maintenance during operation is not required



Measurement of the relative humidity is based on the principle of capacitive polymer sensor.

The sensor has built-in two separate analog outputs - one for the actual temperature and the other for the actual relative humidity.

Sensor can efficiently manage ventilation and heat recovery units, based on current air quality.

The current air quality can easily be determined by looking at the three LED indicators. The **eco** level means good indoor air quality that is needed to achieve a sense of well-being and at the same time optimal energy costs for heating or air conditioning.

For detailed information on the communication protocol, use the document [NLII-Sigfox-Communication](#).

Parameter	Value	Unit
Supply voltage range	12 – 35	V DC
	12 – 24	V AC
Average consumption	0,2	W
RH measuring range	0 – 100 %	RH
RH accuracy 0 – 90 %	± 5 %	RH
RH accuracy 90 – 100 %	± 6 %	RH
T measuring range	0 – 50	°C
T accuracy	± 0,4	°C
Output <sup>1)</sup>	0-10 V / 0-20 mA / 4-20 mA	
Working temperature	0 to +50	°C
Working humidity non condensing	0 – 90 %	RH
Storage temperature	-20 to +60	°C
Expected lifetime	min. 10	years
Ingress protection	IP20	
Dimensions	110x158x31	mm
<sup>1)</sup> It is possible to select the desired type of analog output by a jumper.		

Explanation of abbreviations and technical terms can be found on our website in the [Glossary](#) section.

