

## ADS-RH-D | Duct mounted relative humidity sensor

ADS-RH-D is used to control ventilation, heat recovery and air conditioning systems by measuring relative humidity in the air duct.

- > relative humidity measuring
- > analog voltage / current output
- > output relay
- > fully calibrated
- > long-term stability



ADS-RH-D is a capacitive relative humidity (RH) sensor. It is equipped with an output relay with adjustable switching level and with analog 0-10V voltage / 0-20mA (4-20mA) current output. The measurement is performed periodically after about 8s. Based on these measurements it is possible to directly control the ventilation, air conditioning and heat recovery units.

Parameter	Value	Unit
Supply voltage range	14 - 30	V DC
	18 - 30	V AC
Power consumption	1	VA
Operating range	0 – 100 %	RH
Accuracy 20 – 80 %	±4 %	RH
Accuracy 0 – 100 %	±6 %	RH
Measuring period	8	s
Voltage output	0 – 10	V DC
Current output 1	0 – 20	mA
Current output 2	4 – 20	mA
Max. switching voltage	max. 250	V AC
Max. switching current	max. 5	A
Working temperature	0 to +40	°C
Storage temperature	-20 to +60	°C
Storage humidity	5 to 90 %	RH
Protection	IP20	-
Dimensions	257x100x60	mm

