DTTH HUMIDITY SENSOR WITH TEPERATURE SENSOR (DUCT MOUNTED)
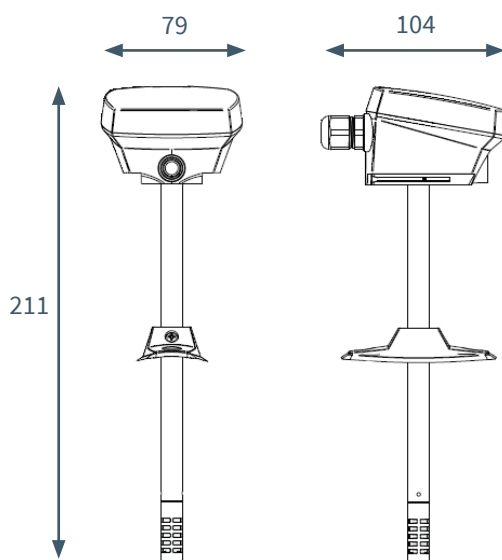
INTRODUCTION

DTTH is intended for humidity measurement in a ventilation duct. The sensor is also equipped for temperature measurement.

Humidity and temperature sensor DTTH.

DIMENSIONS (mm)

79

104

211

INSTALLATION & CONNECTION

- Place the sensor at least 4 duct diameters away from a bend or other obstacle for minimal turbulence
- Make a 13mm diameter hole in the duct
- Place DTTH in the duct with the cable entry perpendicular to the airflow direction
- Twist off the cover to access the terminal conductors. See the connection diagram below
- An illuminated green LED, located under the lid, indicates that the sensor is ready for use (a heat-up time of around 4 minutes is required)

G		G+ (24 VAC)
G0		G0
A01		GT: AIN (-40, 60)
A02		GH: AIN (0, 100)
A03		-
A04		-
AGND		-

TECHNICAL SPECIFICATIONS

Humidity measurement
Measuring range: 0 to 100 % RH, output 0 to 10V
Accurace: ± 2 % RH at 25°C, within 10 to 90% RH
Maximal air velocity: 20 m/s
Surrounding humidity:
 0 to 90% RH, no condensation

Temperature measurement
Measuring range: -40 till +60°C, output 0 till 10V

Connectors
Cable gland: 2 x M16
Connection: Screw terminal, maximum 1,5 mm^2

Weight
0.20 kg

Dimensions
Exterior: See the illustration with measurements
Insertion tube diameter: 12 mm
Insertion tube length: 37 to 195 mm

IP-class
IP65

Supply voltage
24 VAC

Effect
< 1,5 W

CE-markning
Complies with EMC and the low voltage directive

LINDINVENT