

# REINMEER

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## AIR DIFFERENTIAL PRESSURE TRANSMITTER

## RM-RNT-AIR SERIES

[Data sheet](#)

Precision Measurement. Ultimate Control.

# AIR DIFFERENTIAL PRESSURE TRANSMITTER MODEL RM-RNT-AIR SERIES

# REINMEER

Data sheet Model RM-RNT-AIR

## Application Areas

HVAC & Building Automation  
Pharmaceutical Manufacturing  
Cleanroom Facilities  
Data Centers  
Food & Beverage Processing

## Features

- Multi-Sensor Capability: Measures differential pressure, temperature, and humidity simultaneously.
- Flexible Analog Outputs: Selectable 0-10V or 4-20mA signals.
- Integrated Relays: Two 5A relay outputs for direct setpoint control.
- Digital Communication: Built-in RS485 Modbus integration.
- Clear Display: 2-line backlit LCD for real-time monitoring.
- Versatile Options: Available with or without the screen.
- Wide Voltage Support: Operates on a 7/36 VDC power supply.

## Description

**Product Description**The Reinmeer RM-RNT-AIR is a highly versatile and advanced transmitter engineered to measure the differential between two pressure points with exceptional precision, while simultaneously reading ambient temperature and humidity data via an integrated digital communication sensor. Equipped with onboard relays, the device allows users to define specific setpoints for temperature, humidity, or differential pressure, enabling automated on/off control of external systems directly from the unit.

It provides flexible integration into existing industrial infrastructures by offering selectable 0-10V or 4-20mA analog outputs, which can be dynamically assigned to any of the measured environmental parameters. Furthermore, comprehensive RS485 Modbus compatibility ensures that all sensor data can be continuously monitored, relays can be driven remotely, and analog outputs can be configured directly from a central control system. For immediate on-site convenience, instantaneous temperature, humidity, and pressure difference values can be easily read directly from the device's display.

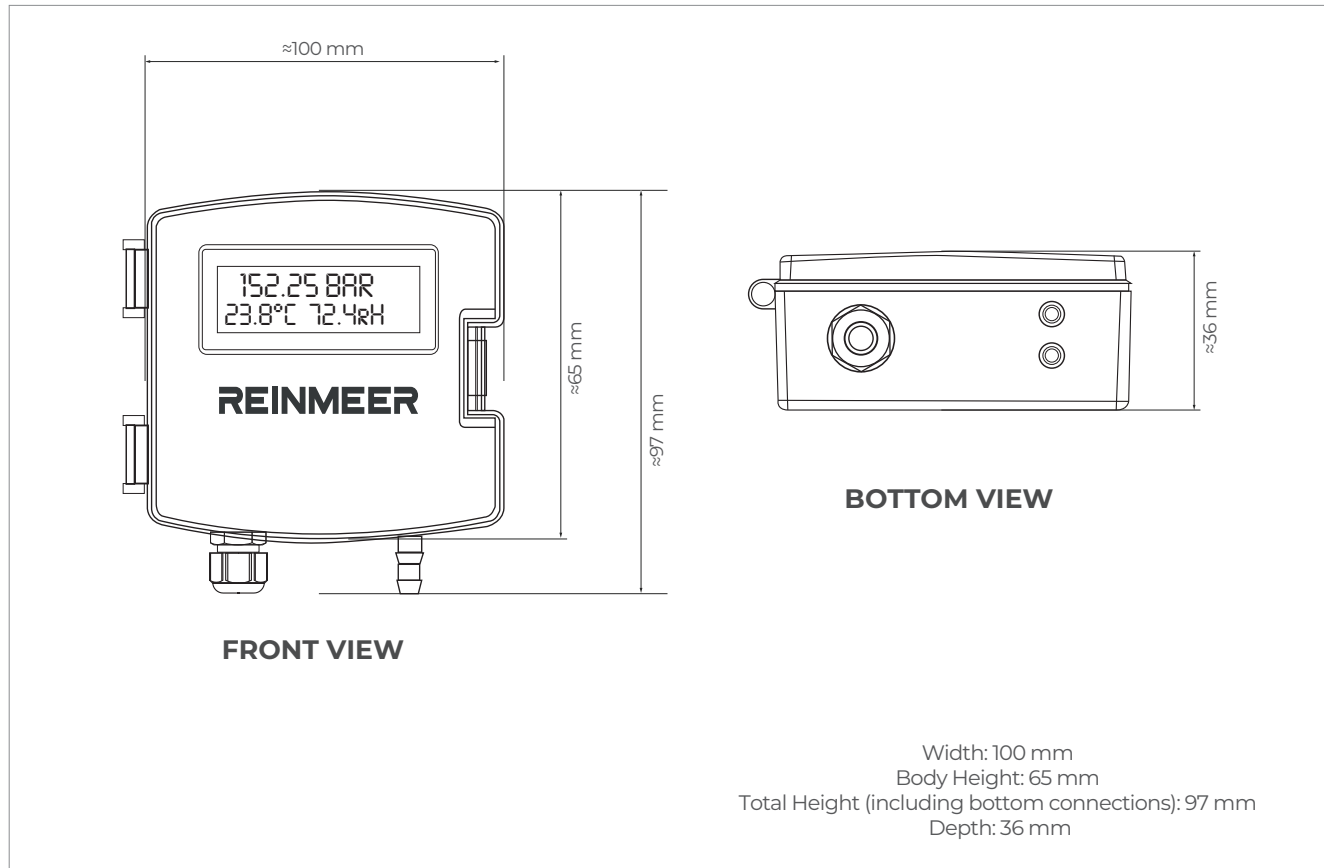


**RNT-AIR-1001**



**RNT-AIR-1002**

### Structure



### TECHNICAL FEATURES

<b>Brand / Model Code</b>	Reinmeer RM-RNT-AIR
<b>Pressure Measurement Range</b>	-25mbar ~ +25mbar, -100mbar ~ +100mbar, -250mbar ~ +250mbar, -600mbar ~ +600mbar. Selectable as vacuum, pressure, or differential. Custom project-based values are also available.
<b>Pressure Accuracy</b>	±0.25% (-20°C ~ 85°C)
<b>Temperature Range</b>	-40°C ~ 85°C
<b>Temperature Accuracy</b>	±0.4°C
<b>Humidity Range</b>	0%rH ~ 100%rH
<b>Humidity Accuracy</b>	±3%rH
<b>Analog Outputs</b>	Selectable 0-10V or 4-20mA (can be assigned to temperature, humidity, or differential pressure)
<b>Relay Outputs</b>	2 x 5Amp Relay Output (can be set to open/close based on temperature, humidity, or pressure differences)
<b>Communication</b>	RS485 with Modbus (allows reading of all sensor data, driving relays, and setting analog outputs)
<b>Power Supply</b>	7/36 VDC
<b>Display Features</b>	2-line backlit LCD display for real-time monitoring; available in both with-display and without-display options

# Contact us

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## **Adress :**

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