

# Application Note



## HT10 Common Installation Issues

153-0067-0A 2/21/2025

Applies To: HT10 Series

Description: This document outlines common installation issues and recommended practices when installing the HT10 Series products.

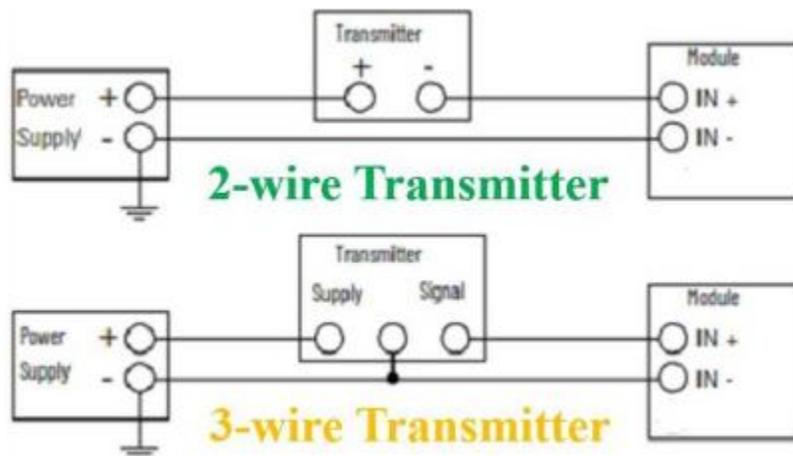
### OVERVIEW

The HT10 Series is designed to be mounted on the building exterior to provide outside air RH measurement. The HT10 Series combines excellent stability with reliable operation in 2% or 3% RH accuracy options. Optional temperature transmitters, RTDs and thermistors add further flexibility when ordering.

Contact Senva Tech Support at **(503) 462-1649** for any additional questions.

### TWO WIRE VS THREE WIRE

- 1) Two-wire: Ensure output switch is in the 2-wire position. Controller/Module must be tied back to Earth Ground for proper reference.

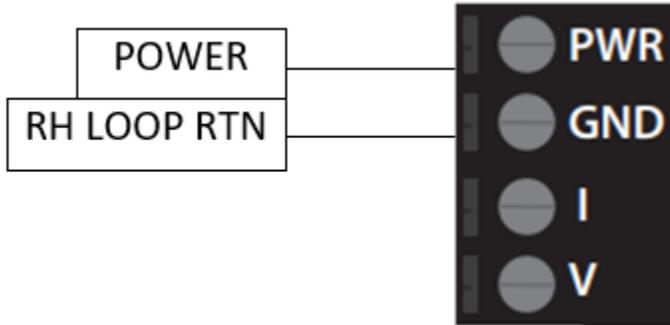


- 2) Three-wire: Ensure output switch is in the 3-wire position. Controller/Module signal common can be tied into the Transmitter or Power Supply common if required.

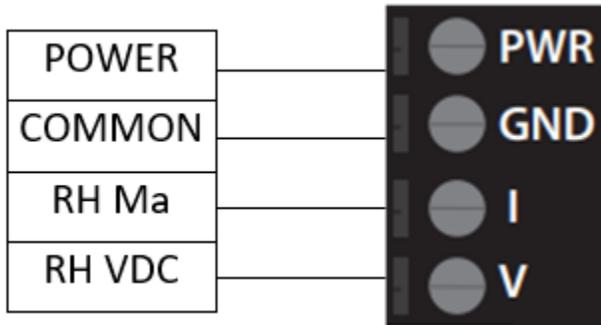
## RH ONLY WIRING

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- 1) Two-wire: Ensure output switch is in the 2-wire position.



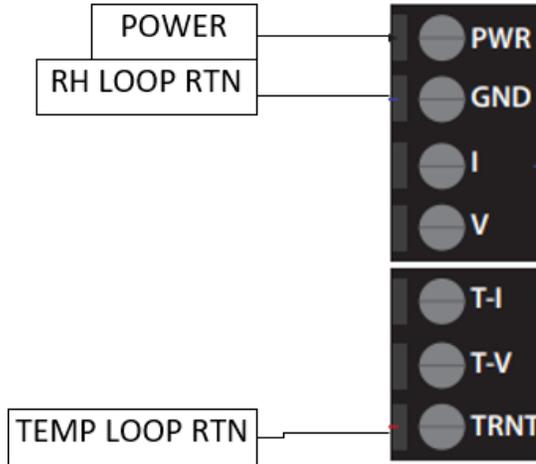
- 2) Three-wire: Ensure output switch is in the 3-wire position.



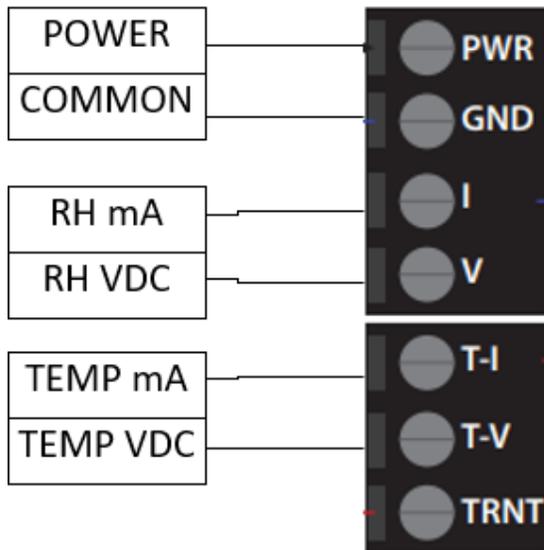
## RH/TEMP TRANSMITTER WIRING

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- 1) Two-wire: Ensure output switch is in the 2-wire position.



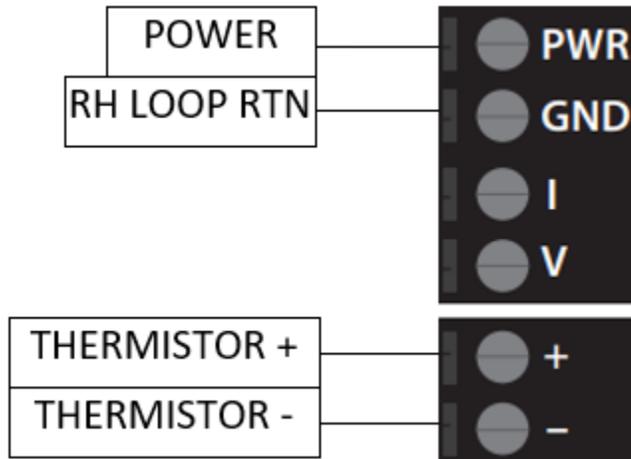
- 2) Three-wire: Ensure output switch is in the 3-wire position.



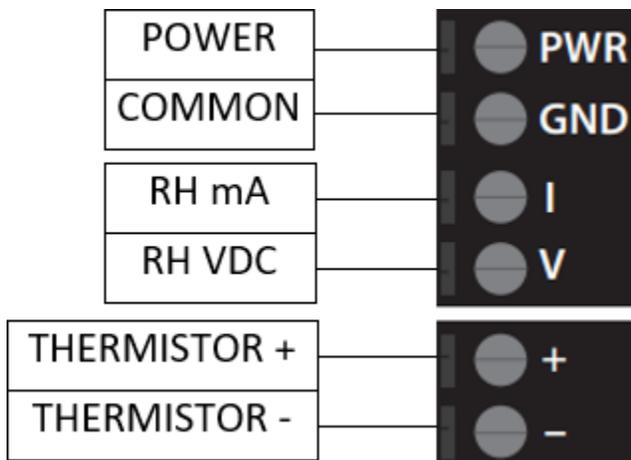
## RH/THERMISTOR WIRING

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- 1) Two-wire: Ensure output switch is in the 2-wire position.



- 2) Three-wire: Ensure output switch is in the 3-wire position.



## DISPLAY READINGS

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- 1) On all models, RH will display on the screen (if display model was selected).
- 2) On Temp Transmitter models, Temp will display on the screen (if display model was selected).
- 3) **NOTE:** Temp will not display on the screen on any Thermistor version.