

ARH-T-2-I-O/A

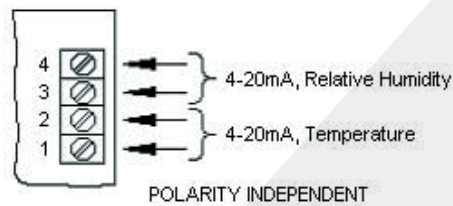
Outside Mount Humidity & Temperature Sensor 2% Accuracy

Installation

1. Choose an accessible location for the sensor ideally in a sheltered position out of direct sunlight.
2. Drill two holes with 85mm fixing centres for mounting the sensor. The sensor should be mounted horizontally as shown so that the slots in the solar shield point downwards.
3. Remove the sensor lid & unplug the 2 part connectors.
4. Feed the sensor cable through the gland and wire as per the diagram below.
5. Plug the two part connectors back together, tighten the cable gland and replace the sensor lid.



Wiring Details



Sensors

Relative Humidity:	Bulk Polymer
Temperature:	PT100 Sensor
Humidity Accuracy:	+/- 2% (20-95% RH)
Temperature Accuracy:	+/- 0.5°C

Outputs

Humidity:	0% RH = 4mA 100% RH = 20mA
Temperature:	-40°C = 4mA +50°C = 20mA

Reading Office

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ARH-T-2-U-O/A

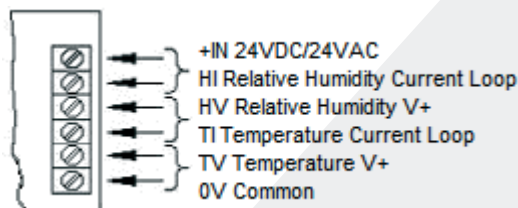
Outside Mount Humidity & Temperature Transmitter 2% Accuracy

Installation

1. Choose an accessible location for the sensor ideally in a sheltered position out of direct sunlight.
2. Drill two holes with 85mm fixing centres for mounting the sensor. The sensor should be mounted horizontally as shown so that the slots in the solar shield point downwards.
3. Remove the sensor lid & unplug the 2 part connectors.
4. Feed the sensor cable through the gland.
5. Insert cable and connect power wires to +IN and 0V, signal wires to HI or HV and 0V repeat if required for TI or TV and 0V.
6. Jumper link position: installed on 2 pins = 4-20mA; installed on 1 pin or removed = 0-10V
7. Plug the two part connectors back together, tighten the cable gland and replace the sensor lid.



Wiring Details



Sensors

Relative Humidity:	Bulk Polymer
Temperature:	PT100 Sensor
Humidity Accuracy:	+/- 2% (20-95% RH)
Temperature Accuracy:	+/- 0.5°C

Outputs

Humidity:	0% RH = 4mA/0V 100% RH = 20mA/10V
Temperature:	-40°C = 4mA/0V +50°C = 20mA/10V

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ARH-T-3-I-O/A

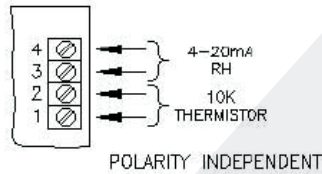
Outside Mount Humidity & Temperature Transmitter 3% Accuracy

Installation

1. Choose an accessible location for the sensor ideally in a sheltered position out of direct sunlight.
2. Drill two holes with 85mm fixing centres for mounting the sensor. The sensor should be mounted horizontally as shown so that the slots in the solar shield point downwards.
3. Remove the sensor lid & unplug the 2 part connectors.
4. Feed the sensor cable through the gland and wire as per the diagram below.
5. Plug the two part connectors back together, tighten the cable gland and replace the sensor lid.



Wiring Details



Sensors

Relative Humidity:	Bulk Polymer
Temperature:	10K3A1 Thermistor*
Humidity Accuracy:	+ / - 3% (20%-95% RH)
Temperature Accuracy:	+ / - 0.5oC

* Others available.

Outputs

Humidity:	0% RH = 4mA 100% RH = 20mA
Temperature:	10 KΩ Thermistor

ARH-T-3-U-O/A

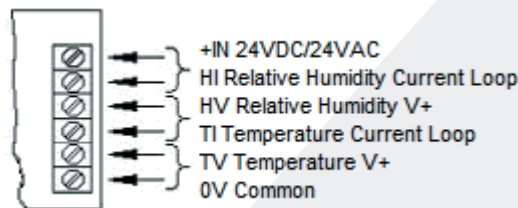
Outside Mount Humidity & Temperature Sensor 3% Accuracy

Installation

1. Choose an accessible location for the sensor ideally in a sheltered position out of direct sunlight.
2. Drill two holes with 85mm fixing centres for mounting the sensor. The sensor should be mounted horizontally as shown so that the slots in the solar shield point downwards.
3. Remove the sensor lid & unplug the 2 part connectors.
4. Feed the sensor cable through the gland and wire as per the diagram below.
NB. Jumper link position: installed on 2 pins = 4-20mA; installed on 1 pin or removed = 0-10V
5. Plug the two part connectors back together, tighten the cable gland and replace the sensor lid.



Wiring Details



Sensors

Relative Humidity:	Bulk Polymer
Temperature:	10K3A1 Thermistor*
Humidity Accuracy:	+ / - 3% (20%-95% RH)
Temperature Accuracy:	+ / - 0.5oC

* Others available.

Outputs

Humidity:	0% RH = 4mA/0V 100% RH = 20mA/10V
Temperature:	-10oC = 4mA/0V +70oC = 20mA/10V

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