R2 Enclosure

Room

Room, Setpoint, Override

Room, Setpoint

Room, Override

Room, Setpoint, Override

Room, Setpoint

Room, Override

Room (Infinity)

Stainless Plate

TRANSMITTERS

Wall Mounting

ACI offers a comprehensive list of wall mounting configurations for Transmitters (see list above). These sensors provide a predictable and accurate output over the specified temperature range. Each sensor configuration is designed and manufactured for long-term quality and performance. The most prominent of the series is the R2 wall mount enclosure which features a sleek and modern design. ACI wall mount enclosures offer the option of having a customized logo. Certain minimums, special part numbers, and specific artwork file types may be required. Please contact ACI for further details regarding custom labels. The ACI A/TTM Series offers a matched calibration of the sensor and transmitter, which improves the measurement accuracy. An N.I.S.T. certificate is provided with all A/TTM Series devices. Robust, high-end performance in addition to N.I.S.T certification makes this series suitable for applications such as pharmaceutical or scientific laboratories.

The ACI Transmitter Series is covered by ACI's Five (5) year limited warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on on ACI's web site, www.workaci.com.

SPECIFICATIONS

Supply Voltage	8.5 to 32 VDC | 249 Ohm Load: +13.5 to 32 VDC | 499 Ohm Load:+18.5 to 32 VDC
Output Current	25 mA
Transmitter Transmitter Input	2-wire Platinum 100 or 1K Ohm Class A RTD (see ordering grid below)
Transmitter Transmitter Output	2-wire, Linear 4 to 20 mA DC Current (standard), 1 to 5 VDC, or 2 to 10 VDC
Calibrated Transmitter Accuracy	+/-0.2% of full scale
Temperature Effect	+/-.04% of full scale
Transmitter Operating Temperature	32 to 122ºF (0 to 50ºC)
Transmitter Operating Humidity	0 to 90% RH non-condensing
Minimum & Maximum Span	minimum: 50ºF (28ºC)/maximum: 126ºF (70ºC)
Sensor Outputs	[1]: 1 to 5 VDC | [2]: 2 to 10 VDC | [4]: 4 to 20 mA
Product Dimensions	Please reference pages 7 & 8

ORDERING

Select one Series (A) & Specify Span. Choose one Enclosure (either Aries or Infinity) (B), & one Output (C). When selecting your Configuration (B) if "R2S", "RS", "RSO" or "R2SO" is desired, please also choose a Pot Value (D), a Sticker (E) & a Pot Action (F). If "R2S", "RS", "RSO" or "R2SO" is not selected, your Part Number is finished after completing Output (C). If a Stainless Plate is desired, please choose a Stainless Plate (1A). **NOTE:** setpoint and/or override options are not available with A/TTM (Matched) configurations. Three point calibration certifications are standard for all A/TTM part numbers, however, five point calibration certifications can be ordered separately. See (1B) below.

A Room Sensor Series	B Aries Enclosure	Infinity Enclosure	C Output
◯ **A/TT100**	◯ **R2** (Room)	◯ **R** (Room)	◯ **1** (1 to 5 VDC)
◯ **A/TT1K**	◯ **R2S** (Room, Setpoint)	◯ **RS** (Room, Setpoint)	◯ **2** (2 to 10 VDC)
◯ **A/TTM100** (Matched Trans.)	◯ **R2O** (Room, Override)	◯ **RO** (Room, Override)	◯ **4** (4 to 20 mA)
◯ **A/TTM1K** (Matched Trans.)	◯ **R2SO** (Room, Setpoint, Override)	◯ **RSO** (Room, Setpoint, Override)	

D Pot Value	E Sticker		F Pot Action
◯ **4 to 20 mA**	◯ **Blue/Red** (R2 Only)	◯ **55 to 85ºF**	◯ **DA** (Direct)
	◯ **Cool/Warm**	◯ **10 to 30ºC**	◯ **RA** (Reverse)
			◯ **----** (None)

1A Stainless Plate		2A Output
◯ **A/TT100**	◯ **A/TTM100** (Matched Trans.)	◯ **1** (1 to 5 VDC)
◯ **A/TT1K**	◯ **A/TTM1K** (Matched Trans.)	◯ **2** (2 to 10 VDC)
		◯ **4** (4 to 20 mA)

1B Calibration Option for A/TTM orders (Additional Accessories)

- ◯ **----** (Default) 3 Point Calibration Certification (Points: 20, 50 & 80% of Span)
- ◯ **NIST TTM CERT-5PT.** (Points: 0, 20, 50, 80 & 100% of Span)

BUILD PART NUMBER

After completing (A), (B), (C), (D), (E) & (F) from the above table, fill in the "Part Number Table" below. (1A) & (1B) are additional configurations. An "example" part number is offered.

A	SPECIFY SPAN	B	C	D	E	F
						CALIBRATION SPAN

EXAMPLE: A/TT1K - R2 - 4
CALIBRATION SPAN: 20 to 80

1	SPECIFY SPAN	CONFIGURATION	2	CALIBRATION SPAN
		SP		

EXAMPLE: A/TT100 - SP - 4
CALIBRATION SPAN: 30 to 90

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EXAMPLE: NIST TTM CERT-5PT.

The R2 & R enclosures have a UL94-HB flammability rating.

RoHS COMPLIANT 2002/95/EC