

Adtech Two-Wire Transmitters

- Wide Operating Temperature
- Adjustable Zero & Span
- Die Cast Aluminum Housing
- Optional DIN mounting or NEMA Housing

100 Series


SPECIFICATIONS

Output:	4-20mA
Accuracy:	0.1% of span (0.25% for AC)
Isolation:	600V DC, 350VAC
Protection:	RFI & reverse polarity protection standard
Operating Temp:	-31 to 85°C
Power:	8-42VDC
Size:	2.4" W x 3.0" H x 2.1" D (for T/C head mounting)

ORDERING INFORMATION

Model	Function	Ranges
AD/ACX141	AC Current	7, from 0-0.8 to 0-5 A (<0.5VA burden)
	AC Voltage	21, from 0-0.67 to 0-255 V
AD/FDX150	Frequency	11, from 0-30Hz to 0-30kHz
AD/MVX106	DC mV	8, from 0-0.5 to 0-100mV (non-isolated)
AD/MVX126	DC mV	8, from 0-0.5 to 0-100mV
AD/PTX173	3-wire Pot	50Ω to 100kΩ (non-isolated)
AD/RBX174	RTD	2, 3 or 4-wire, 1-400Ω (non-isolated)
AD/RBX172	RTD	2, 3 or 4-wire, 1-400Ω
AD/TCX126	Thermocouple	B, E, J, K, R, S, T

Options (add suffix):

-H22	Surface mounting plate
-H20A	DIN mount
-H13A	NEMA 4 housing
-H15	NEMA 7 housing

Adtech Field Selectable Alarms

- Single or Dual Setpoint
- Universal Relay Action - Normal or Fail Safe, High or Lo Limit
- 0-30 Second Adjustable Time Delay
- Latching Action
- LED Indication of Alarm Status
- Potentiometer Setpoint Adjustment


500 Series

SPECIFICATIONS

Input Ranges:

ACA	0-1, 0-5 (selectable avg or TRMS) burden <0.5VA
ACV	0-0.25, 0-2.5, 0-25, 0-250
DCV	0-5, 0-10, ±5, ±10, 1-5
DCmA	0-1, ±1 (R = 200Ω) 0-10, ±10 (R = 20Ω) 0-20, ±20, 4-20 (R = 10Ω)
DCmV	0-100
T/C	J, K, T, E, R, S, B
RTD	2, 3 or 4-wire, 1-400Ω

Accuracy: 0.1% of span (0.25% for AC)

Relay Output: SPDT, 10A @ 240VAC or 30VDC, resistive

Response Time: <200 msec

Trip Adjustment: 0-100% of span

Dead Band Adjustment: 1-100% of span

Power Supply: 100-240VAC (24V DC optional)

Temperature: -15 to 60°C operating

Dimensions:

DIN mount	2.25" W x 3.11" H x 3.3" D (57x79x84mm)
NEMA 4	4.4" W x 6.75" H x 4.3" D (112x172x109mm)

Isolation: Input/Output/Power, 1500VAC

ORDERING INFORMATION

Model	Setpoint	Function
AD/ACA514	Single	ACV, ACA
AD/ACA515	Dual	ACV, ACA
AD/DCA514	Single	DCV, DCmA
AD/DCA515	Dual	DCV, DCmA
AD/MVA514	Single	DCmV
AD/MVA515	Dual	DCmV
AD/RBA514	Single	RTD & Resistance
AD/RBA515	Dual	RTD & Resistance
AD/TCA514	Single	Thermocouple
AD/TCA515	Dual	Thermocouple

Options (add suffix):

-P2	24VDC power
-H26	Surface Mounting Plate
-H27	NEMA 4 housing
-H15D2	NEMA 7 housing (Class 1 Group B, C, D)

Adtech Loop Powered Indicators

- 3½ Digit 0.5" LCD Display
- Reverse Polarity Protection
- 2.3V Maximum Burden
- Signal Powered, No External Power Needed
- -30 to +80°C Operating Temperature
- 2.5 readings/second
- Accuracy ±3 counts

Accepts a 4-20mA process input signal from a 2, 3 or 4-wire transmitter. Displays the input as mA, 0-100% or in engineering units such as °C, °F, RPM, ft, gallons or lbs. Jumpers are provided to select decimal position and display range. Two potentiometers adjust zero & span.

ORDERING INFORMATION

AD/LPI 25	NEMA 4X Housing
AD/LPI 30	NEMA 7 Explosion Proof Housing, Class 1 Group B, C, D
AD/LPI 40	NEMA 7 Explosion Proof Housing with integral Series 100 2-wire transmitter
AD/LPI 40D	NEMA 7 Explosion Proof Housing with integral Series 200 2-wire transmitter

LPI 25

LPI 30
