

ADTECH

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200 SERIES TWO-WIRE FIELD SELECTABLE WIDE RANGING TRANSMITTERS GUIDE



FEATURES

- TYPES OF INPUTS: AC I/V (TRMS OR AVERAGE); FREQUENCY, MILLIVOLTS, POTENTIOMETER, RTD, DC I/V, T/C.
- , NO INTERACTION: ZERO AND SPAN CONTROLS
- **ELEVATION/SUPPRESSION:** UP TO 100% OF RANGE
- POWER RANGE: 8 TO 42 VDC
- , RFI-RESISTANT
- TEMPERATURE COEFFICIENTS: ZERO = $\pm 0.007\%$ / °C OF SPAN- TYPICAL SPAN = $\pm 0.008\%$ / °C OF SPAN- TYPICAL
- REPEATABILITY: ±0.002% TYPICAL
- BANDWIDTH: (-3 DB): 3.2 HZ TYPICAL
- , ISOLATION: 1000 VDC OR 600 VAC
- POWER SUPPLY EFFECT: ±0.005% OF SPAN
- RESPONSE TIME: 110 MILLISECONDS TYPICAL
- REVERSE POLARITY PROTECTION

TYPICAL APPLICATIONS

MEASUREMENT OF:

- , TEMPERATURE
- , FLOW
- , SPEED
- Position
- DISPLACEMENT
- , ROTATION
- AC CURRENT
- AC VOLTAGE
- DC SIGNALS

AC INPUT FREQUENCY INPUT **MV INPUT** MVX 206 (NON-ISOLATED) ACX 240 (ISOLATED) FDX 250 (ISOLATED) INPUT/OUTPUT INPUT/OUTPUT INPUT/OUTPUT INPUT SIGNALS INPUT SIGNALS INPUT SIGNALS Voltage (Amplitude): 10 mV-100 Vrms (0-5 kHz); 50 mV to 50 AC CURRENT: ANY 0-1 TO 0-5 AMPS AC BURDEN 0.5 MV to 100 MV span (Z in greater than 10 LESS THAN 0.5 VA (SELECTABLE AVERAGE OR TRUE RMS RE-VRMS (5 KHZ TO 30 KHZ) MEGOHMS) CONTACT: DRY, 2 MA @ 24 VAC RATING ZERO SUPPRESSION: UP TO 100% OF THE MAJOR RANGE SELECT-AC Voltage: Any 0-0.25 to 0-250 VAC, burden less than 0.5 Frequency Range: 0-30 Hz to 0-30 kHz full scale ed in 16 divisions of the coarse zero adjustment switch MAJOR RANGE SWITCH: PROVIDES 11 DISCRETE RANGES WITH Span: From 0.5 mV to 100 mV full scale switch selectable. VA (SELECTABLE AVERAGE OR TRUE RMS RESPONDING) (4 MAJOR RANGES 0.25, 2.5, 25, 250) THE ZERO CONTROL ADJUSTABLE 10% OF OUTPUT AND SPAN THE COARSE SPAN SWITCH ADDS 16 DIVISIONS TO EACH MAJOR ZERO ADJUSTMENT: ±5% NOMINAL OF SPAN CONTROL ADJUSTABLE FROM 50% TO 100% OF THE MAJOR Course Span Adjustment: 100% of a major range (voltage RANGE SELECTED ONLY) FINE SPAN ADJUSTMENT: ±5% NOMINAL OF MAJOR RANGE (±1 AMP FOR CURRENT INPUT) INPUT FREQUENCY RANGE: 25-1,000 HZ INPUT OVERLOAD CAPABILITY: 200% CONTINUOUS Output Signal: 4-20 ma DC OUTPUT SIGNAL: 4-20 MA DC OUTPUT LOOP DRIVE CAPABILITY OUTPUT SIGNAL: 4-20 MA DC OUTPUT LOOP DRIVE CAPABILITY OUTPUT LOOP DRIVE CAPABILITY $R (OHM) = \frac{(V SUPPLY - V MINIMUM) 1,000}{I OUT MAX. MA}$ R (OHM) = (V SUPPLY - V MINIMUM) 1,000R (OHM) = (V SUPPLY - V MINIMUM) 1,000V MINIMUM = 8.0 VDC I OUT MAX. MA I OUT MAX. MA V MINIMUM = 8.0 VDC V MINIMUM = 8.0 VDC I out 4-20 mA 4-20 mA I out 4-20 mA I out 24 36 42 V supply 12 36 42 V supply 12 42 V supply 24 24 36 R(ohms) 200 800 1400 | 1700 R(ohms) 200 800 1400 1700 R(ohms) 200 800 1400 1700 Performance Performance Performance * Calibrated Accuracy: ±0.1% * CALIBRATED ACCURACY: ±0.1% * Calibrated Accuracy: ±0.25% *Independent Linearity: ±0.15% maximum, *Independent Linearity: ±0.02% maximum, *Independent Linearity: ±0.01% maximum +0.06% TYPICAL +0.01% TYPICAL ±0.006% TYPICAL (14-BIT DIGITAL LINEARITY) REPEATABILITY: ±0.005% MAX., ±0.002% TYP. REPEATABILITY: ±0.005% MAX., ±0.002% TYP. ZERO TC: ZERO TC: ± 0.025 INPUT SPAN (MV) % OF SPAN MAX./ °C SPAN TC: ±0.008% OF SPAN MAX/ °C Repeatability: $\pm 0.005\%$ max., $\pm 0.002\%$ typ. Zero TC: $\pm 0.01\%$ of span max /°C Span TC: Current: $\pm 0.02\%$ of span max /°C ZERO TC: ±0.01% OF SPAN MAX /°C SPAN TC: ±0.01% OF SPAN MAX /°C LOAD EFFECT: ±0.005% ZERO TO FULL LOAD Load Effect: ±0.005% zero to full load Output Ripple: 10 mV P/P maximum LOAD EFFECT: ±0.005% ZERO TO FULL LOAD RESPONSE TIME: 350 MILLISECONDS (10 TO 90% STEP RESPONSE) Output Ripple: 10 mV P/P maximum Response Time: 350 milliseconds (10 to 90% step response) Output Ripple: 10 mV P/P maximum Response Time: 110 milliseconds (10 to 90% AVERAGE RESPONDING Bandwidth: (-3 db): 1 Hz Temperature Range: -25° to 185°F (-31° to 85°C) operating; -40° to 200°F (-40° to 93°C) storage Bandwidth: (-3 db): 1 Hz STEP RESPONSE) Bandwidth: (-3 db): 3.2 Hz TEMPERATURE RANGE: -25° TO 185°F (-31° TO 85°C) OPERATING; -40° TO 200°F (-40° TO 93°C) STORAGE Temperature Range: -25° TO 185°F (-31° TO 85°C) OPERATING; -40° TO 200°F (-40° TO 93°C) STORAGE POWER SUPPLY EFFECT: ±0.005% OF SPAN, MAX. Power Supply Effect: ±0.005% of Span, Max. Isolation: Input/output/case: 1000VDC, 600 VAC ISOLATION: INPUT/OUTPUT/CASE: 1000VDC OR 600 POWER SUPPLY EFFECT: ±0.005% OF SPAN MAX. VAC NOTE: ALL ACCURACIES ARE GIVEN AS A % OF SPAN. NOTE: ALL ACCURACIES ARE GIVEN AS A % OF SPAN. NOTE: ALL ACCURACIES ARE GIVEN AS A % OF SPAN. **POWER POWER POWER** 8 to 42 VDC: Standard 8 to 42 VDC: Standard 8 to 42 VDC: Standard **MECHANICAL** MECHANICAL **MECHANICAL** ELECTRICAL CLASSIFICATION: GENERAL PURPOSE FLECTRICAL CLASSIFICATION: GENERAL PURPOSE ELECTRICAL CLASSIFICATION: GENERAL PURPOSE CONNECTION: SCREW, COMPRESSION TYPE, ACCEPTS UP TO 14 CONNECTION: SCREW, COMPRESSION TYPE, ACCEPTS UP TO 14 CONNECTION: SCREW, COMPRESSION TYPE, ACCEPTS UP TO 14 CONTROLS: ONE 16-POSITION ROTARY SWITCH FOR COARSE CONTROLS: ONE 16-POSITION ROTARY SWITCH FOR MAIOR CONTROLS: TWO 16-POSITION ROTARY SWITCHES FOR COARSE RANGE; FOUR MULTITURN POTENTIOMETERS FOR ZERO, SPAN, SPAN; TWO MULTITURN POTENTIOMETERS FOR FINE ZERO AND ZERO AND SPAN CONTROL; TWO MULTITURN POTENTIOMETERS SPAN CONTROL. JUMPERS FOR MEASUREMENT RESPONSE TYPE HYSTERESIS AND SENSITIVITY. FINE ZERO, AND SPAN CONTROL AND JUMPERS FOR MAJOR TRMS OR AVERAGE AND FOR INPUT RANGES MOUNTING: SURFACE, SNAP-TRACK, DIN RAILS, OR RANGE AND ZERO ELEVATION Mounting: Surface, Snap-Track, DIN Rails, or NEMA 4, or 7 NEMA 4 OR 7 Weight: Net Unit: 4 oz. (115 grams); Mounting: Surface, Snap-track, DIN rails, or NEMA 4, or 7 WEIGHT: NET UNIT: 4 OZ. (115 GRAMS); SHIPPING: NOMINAL 7 OZ. (200 GRAMS) SHIPPING: NOMINAL 7 OZ. (200 GRAMS) WEIGHT: NET UNIT: 4 OZ. (115 GRAMS); SHIPPING: NOMINAL 7 OZ (200 GRAMS) **OPTIONS OPTIONS OPTIONS** H 15 D, H 25- H 30 MOUNTING H 15 D, H 25- H 30 MOUNTING H 15 D, H 25- H 30 MOUNTING LOOP POWERED LPI 40 D LOOP POWERED LOOP POWERED INDICATOR INDICATOR INDICATOR

MV INPUT RTD INPUT POTENTIOMETER INPUT RBX 274 (NON-ISOLATED) MVX 226 (ISOLATED) PTX 273 (NON-ISOLATED) INPUT/OUTPUT INPUT/OUTPUT INPUT/OUTPUT Input Signals INPUT SIGNALS INPUT SIGNALS 0.5 MV TO 100 MV SPAN (Z IN GREATER THAN 10 POTENTIOMETERS/SLIDEWIRE SENSORS: 3 WIRE RESISTANCE BUILD SENSOR: 2. 3 OR 4 WIRE TYPES 50 OHM TO 100 K OHM RESISTANCE SPANS 1 TO 400 OHM RESISTANCE SPANS: STANDARD MEGOHMS) ZERO SUPPRESSION: UP TO 100% OF THE MAJOR RANGE ZERO SUPPRESSION: UP TO 100% OF THE MAJOR RANGE SE-ZERO SUPPRESSION: UP TO 100% OF THE POTENTIOMETER SELECTED IN 16 DIVISIONS OF THE COARSE ZERO LECTED IN 16 DIVISIONS OF THE COARSE ZERO rotation selected in 16 divisions of the coarse zero ADJUSTMENT SWITCH ADJUSTMENT SWITCH. SPAN: FROM 0.5 MV TO 100 MV FULL SCALE SWITCH SELECTABLE. SPAN: FROM 0-100% FULL SCALE SWITCH SELECTABLE. THE ADJUSTMENT SWITCH THE COARSE SPAN SWITCH ADDS 16 DIVISIONS TO EACH MAJOR SPAN: FROM 0-100% FULL SCALE SWITCH SELECTABLE. THE COARSE SPAN SWITCH ADDS 16 DIVISIONS TO EACH MAJOR RANGE COARSE SPAN SWITCH ADDS 16 RANGE DIVISIONS RANGE LEAD COMPENSATION: 1% MAXIMUM ERROR, OF DIFFERENTIAL LEAD RESISTANCE. Output Signal: 4-20 ma DC OUTPUT SIGNAL: 4-20 MA DC Output Signal: 4-20 ma DC OUTPUT LOOP DRIVE CAPABILITY OUTPUT LOOP DRIVE CAPABILITY OUTPUT LOOP DRIVE CAPABILITY R(OHM) = (V SUPPLY - V MINIMUM) 1,000R (OHM) = (V SUPPLY - V MINIMUM) 1,000I OUT MAX. MA I OUT MAX. MA R (OHM) = (V SUPPLY - V MINIMUM) 1,000I OUT MAX. MA V MINIMUM = 8.0 VDC V MINIMUM = 8.0 VDC V MINIMUM = 8.0 VDC 4-20 mA I out 4-20 mA I out 4-20 mA I out 36 36 42 36 42 V supply 12 24 42 V supply 12 24 V supply 12 24 200 R(ohms) 800 1400 1700 R(ohms) 200 800 1400 1700 R(ohms) 200 800 1400 1700 Performance PERFORMANCE Performance * Calibrated Accuracy: 0.1% * Calibrated Accuracy: 0.1% * Calibrated Accuracy: ±0.1% INDEPENDENT LINEARITY: ±0.01% MAXIMUM. INDEPENDENT LINEARITY: ±0.01% MAXIMUM. *Independent Linearity: ±0.025% max., ±0.006% TYPICAL (14-BIT DIGITAL LINEARITY) ±0.006% TYPICAL (14-BIT DIGITAL LINEARITY) ±0.01% TYPICAL Conformance to RTD Curves: 0.15% max. REPEATABILITY: ±0.005% MAX., ±0.002% TYP. REPEATABILITY: ±0.005% MAX., ±0.002% TYP. ZERO TC: ± 0.025 + INPUT SPAN (MV) % OF SPAN MAX./ °C ZERO TC: ±0.007% OF SPAN SPAN TC:±0.010% OF SPAN MAX/°C REPEATABILITY: ±0.005% MAX., ±0.002% TYP. ZERO TC: ± _______ + 0.005 _______ + 0.005 _______ + 0.005 + 0.005 LOAD EFFECT:±0.005% ZERO TO FULL LOAD SPAN TC:±0.008% OF SPAN MAX/°C % OF SPAN/ °C MAX. SPAN TC: ±0.008% OF SPAN MAX/°C LOAD EFFECT: ±0.005% ZERO TO FULL LOAD Output Ripple: 10 mV P/P maximum LOAD EFFECT:±0.005% ZERO TO FULL LOAD Response Time: 110 milliseconds (10 to OUTPUT RIPPLE: 10 MV P/P MAXIMUM 90% STEP RESPONSE) RESPONSE TIME: 110 MILLISECONDS (10 TO 90% STEP RESPONSE) BANDWIDTH: (-3 DB): 3.2 HZ Output Ripple: 10 mV P/P maximum Temperature Range: -25° to 185°F (-31° to 85°C) operating; -40° to 200°F (-40° to 93°C) storage Response Time: 110 milliseconds (10 to 90% Bandwidth: (-3 db): 3.2 Hz STEP RESPONSE) TEMPERATURE RANGE: BANDWIDTH: (-3 DB): 3.2 HZ -25° TO 185°F (-31° TO 85°C) OPERATING; -40° TO 200°F (-40° TO 93°C) STORAGE POWER SUPPLY EFFECT: ±0.005% OF SPAN MAX. TEMPERATURE RANGE: -25° to 185°F (-31° to 85°C) operating; POWER SUPPLY EFFECT: ±0.005% OF SPAN MAX. -40° TO 200°F (-40° TO 93°C) STORAGE NOTE: ALL ACCURACIES ARE GIVEN AS A % OF SPAN ISOLATION: INPUT/OUTPUT/CASE: 1000 VDC, OR 600 VAC POWER SUPPLY EFFECT: ±0.005% OF SPAN, MAX. NOTE: ALL ACCURACIES ARE GIVEN AS A % OF SPAN. Note: All accuracies are given as a % of span. **POWER POWER POWER** 8 to 42 VDC: Standard 8 to 42 VDC: Standard 8 to 42 VDC: Standard **MECHANICAL** MECHANICAL **MECHANICAL** ELECTRICAL CLASSIFICATION: GENERAL PURPOSE FLECTRICAL CLASSIFICATION: GENERAL PURPOSE ELECTRICAL CLASSIFICATION: GENERAL PURPOSE CONNECTION: SCREW, COMPRESSION TYPE, ACCEPTS UP TO 14 CONNECTION: SCREW, COMPRESSION TYPE, ACCEPTS UP TO 14 CONNECTION: SCREW, COMPRESSION TYPE, ACCEPTS UP TO 14 CONTROLS: TWO 16-POSITION ROTARY SWITCHES FOR COARSE CONTROLS: TWO 16-POSITION ROTARY SWITCHES FOR COARSE CONTROLS: TWO 16-POSITION ROTARY SWITCHES FOR COARSE ZERO AND SPAN CONTROL. TWO MULTITURN POTENTIOMETERS FOR FINE ZERO AND SPAN CONTROL AND JUMPERS FOR RTD ZERO AND SPAN CONTROL: TWO MULTITURN POTENTIOMETERS FINE ZERO, AND SPAN CONTROL AND JUMPERS FOR MAJOR ZERO AND SPAN CONTROL: TWO MULTITURN POTENTIOMETERS FINE ZERO, AND SPAN CONTROL RANGE AND ZERO ELEVATION MOUNTING: SURFACE, SNAP-TRACK, DIN RAILS, OR TYPE, MAJOR RANGE AND ZERO ELEVATION Mounting: Surface, Snap-track, DIN Rails, or NEMA 4 or 7 NEMA 4 OR 7 Weight: Net Unit: 4 oz. (115 grams); MOUNTING: SURFACE, SNAP-TRACK, DIN, OR NEMA 4 OR 7 WEIGHT: NET UNIT: 4 OZ. (115 GRAMS); SHIPPING: NOMINAL 7 OZ (200 GRAMS) SHIPPING: NOMINAL 7 OZ (200 GRAMS) WEIGHT: NET UNIT: 4 OZ. (115 GRAMS); SHIPPING: NOMINAL 7 OZ (200 GRAMS) **OPTIONS OPTIONS OPTIONS** H 15 D, H 25- H 30 MOUNTING H 15 D, H 25- H 30 MOUNTING H 15 D, H 25- H 30 MOUNTING LOOP POWERED LPI 40 D LOOP POWERED LOOP POWERED INDICATOR INDICATOR INDICATOR

RTD INPUT I/V/MV INPUT T/C INPUT TCX 226 (ISOLATED) RBX 272 (ISOLATED) SCX 202 (ISOLATED) INPUT/OUTPUT INPUT/OUTPUT INPUT/OUTPUT INPUT SIGNALS 4-20 MA DC (Z IN 10 OHMS) INPUT SIGNALS INPUT SIGNALS RESISTANCE BULB SENSOR: 2, 3, OR 4 WIRE TYPES *THERMOCOUPLE: ALL STANDARD ISA CALIBRATION (B, E, J, 1 to 400 ohm Resistance Spans: Standard 0-20 OR ± 20 MA DC (Z IN 10 OHMS) K, R, S, T), -20 MV to 100 mV spans (Z in greater than 1 ZERO SUPPRESSION: UP TO 100% OF THE MAJOR RANGE 0-10 OR ±10 MA DC (Z IN 20 OHMS) MEGOHM) Zero Suppression: Up to 100% of the major range select-SELECTED IN 16 DIVISIONS OF THE COARSE ZERO ADJUSTMENT 0-1 OR ±1 MA DC (Z IN 200 OHMS) 1-5 VDC (Z IN 1 MEGOHM) ED IN 16 DIVISIONS OF THE COARSE ZERO ADJUSTMENT SWITCH. SPAN: FROM 0-100% FULL SCALE SWITCH SELECTABLE. THE 0-5 OR ±VDC (Z IN 1 MEGOHM) Span: From 0.5 mV to 100 mV full scale switch selectable. Coarse span switch adds 16 divisions to each major 0-10 OR ±10 VDC (Z IN 1 MEGOHM) The coarse span switch adds 16 divisions to each major ANY UNIPOLAR OR BIPOLAR VOLTAGE FROM RANGE. RANGE. 100 MV TO 200 VDC. (OPTION I 14) UPSCALE/DOWNSCALE BURNOUT PROTECTION: STANDARD, LEAD COMPENSATION: 1% MAXIMUM ERROR OF DIFFERENTIAL LEAD RESISTANCE ZERO SUPPRESSION: ±10% FIELD SELECTABLE BURNOUT CURRENT: 0.1 MICRO AMPERES-NOMINAL SPAN ADJUSTMENT: ±10% *Consult factory for other T/C types. Output Signal: 4-20 ma DC Output Signal: 4-20 ma DC Output Loop Drive Capability R (OHM) = <u>(V Supply - V Minimum) 1,000</u> OUTPUT LOOP DRIVE CAPABILITY OUTPUT LOOP DRIVE CAPABILITY R (OHM) = (V SUPPLY - V MINIMUM) 1,000I OUT MAX. MA R (OHM) = (V SUPPLY - V MINIMUM) 1,000I OUT MAX. MA I OUT MAX. MA V MINIMUM = 8.0 VDC V MINIMUM = 8.0 VDC V MINIMUM = 8.0 VDC I out 4-20 mA 4-20 mA I out 4-20 mA I out V supply 12 24 36 42 V supply 12 24 36 42 V supply 12 24 36 42 R(ohms) R(ohms) R(ohms) 200 800 1400 200 800 1400 200 800 1400 1700 PERFORMANCE Performance PERFORMANCE * CALIBRATED ACCURACY: ±0.1% * CALIBRATED ACCURACY: ±0.1% * CALIBRATED ACCURACY: ±0.1% (OF MV INPUT) *Independent Linearity: ±0.025% maximum, *Independent Linearity: ±0.025% maximum, *Independent Linearity: ±0.01% maximum,, ±0.01% TYPICAL ±0.01% TYPICAL ±0.006% typical (14-bit digital linearity) (of millivolt Repeatability: ±0.005% max., ±0.002% typ. REPEATABILITY: ±0.005% MAX., ±0.002% TYP. INPUT) ZERO TC: ±0.007% OF SPAN MAX., °C SPAN TC: ±0.008% OF SPAN MAX. / °C ZERO TC: $\pm \frac{0.05}{\text{INPUT SPAN (OHMS)}}$ + 0.005 REPEATABILITY: ±0.005% MAX., ±0.002% TYP. U.U.25 + 0.007 ZERO TC: ± 0.025 Load Effect: ±0.005% zero to full load Output Ripple: 10 mV P/P maximum % OF SPAN/ °C MAX. SPAN TC: ±0.008% OF SPAN MAX. / °C % of Span/°C max. Span TC: ±0.008% of Span max. / °C LOAD EFFECT: ±0.005% ZERO TO FULL LOAD RESPONSE TIME: 110 MILLISECONDS (10 TO 90% STEP RESPONSE) BANDWIDTH: (-3 DB): 3.2 HZ Output Ripple: 10 mV P/P maximum LOAD EFFECT: ±0.005% ZERO TO FULL LOAD RESPONSE TIME: 110 MILLISECONDS (10 TO 90% STEP RESPONSE) OUTPUT RIPPLE: 10 MV P/P MAXIMUM RESPONSE TIME: 110 MILLISECONDS (10 TO 90% TEMPERATURE RANGE: -25° to 185°F (-31° to 85°C) operating; -40° to 200°F (-40° to 93°C) storage Bandwidth: (-3 db): 3.2 Hz STEP RESPONSE) TEMPERATURE RANGE: -25° TO 185°F (-31° TO 85°C) OPERATING; -40° TO 200°F (-40° TO 93°C) STORAGE Bandwidth: (-3 db): 3.2 Hz Power Supply Effect: ±0.005% over operating Range TEMPERATURE RANGE: -25° TO 185°F (-31° TO 85°C) OPERATING; ISOLATION: INPUT/OUTPUT/CASE: 1000 VDC, 600 VAC -40° TO 200°F (-40° TO 93°C) STORAGE POWER SUPPLY EFFECT: ±0.005% OF SPAN MAX. ISOLATION: INPUT/OUTPUT/CASE: 1000VDC, 600 VAC NOTE: ALL ACCURACIES ARE GIVEN AS A % OF SPAN. POWER SUPPLY EFFECT: ±0.005% OF SPAN, MAX. ISOLATION: INPUT/OUTPUT/CASE: 1000 VDC, 600 VAC COLD JUNCTION COMPENSATION ERROR: 1.5 °C MAX (0 TO 50 NOTE: ALL ACCURACIES ARE GIVEN AS A % OF SPAN. BURNOUT CURRENT: 0.1 MICRO AMPS- NOMINAL NOTE: ALL ACCURACIES ARE GIVEN AS A % OF SPAN **POWER POWER POWER** 8 to 42 VDC: Standard 8 to 42 VDC: Standard 8 to 42 VDC: Standard MECHANICAL MECHANICAL MECHANICAL Electrical Classification: General purpose Connection: Screw, compression type, accepts up to 14 ELECTRICAL CLASSIFICATION: GENERAL PURPOSE CONNECTION: SCREW, COMPRESSION TYPE, ACCEPTS UP TO 14 ELECTRICAL CLASSIFICATION: GENERAL PURPOSE CONNECTION: SCREW, COMPRESSION TYPE, ACCEPTS UP TO 14 CONTROLS: TWO 16 POSITION ROTARY SWITCHES FOR COARSE CONTROLS: TWO MULTITURN POTENTIOMETERS FOR FINE ZERO CONTROLS: TWO 16 POSITION ROTARY SWITCHES FOR COARSE ZERO AND SPAN CONTROL; TWO MULTITURN POTENTIOMETERS AND SPAN CONTROL AND JUMPERS FOR RANGES ZERO AND SPAN CONTROL; TWO MULTITURN POTENTIOMETERS FOR FINE ZERO AND SPAN CONTROL AND JUMPERS FOR RTD MOUNTING: DIN RAILS, SURFACE, SNAP TRACK, OR NEMA 4 OR 7 FOR FINE ZERO AND SPAN CONTROL AND JUMPERS FOR RTD TYPE; MAJOR RANGE AND INPUT ZERO ELEVATION. Weight: Net Unit: 4 oz. (115 grams); TYPE; MAJOR RANGE AND INPUT ZERO ELEVATION. Mounting: Din Rails, Surface, Snap Track, or NEMA 4 or 7 Mounting: Din Rails, Surface, Snap Track, or NEMA 4 or 7 Shipping: Nominal 7 oz. (200 grams) WEIGHT: NET UNIT: 4 OZ. (115 GRAMS): WEIGHT: NET UNIT: 4 OZ. (115 GRAMS): SHIPPING: NOMINAL 7 OZ. (200 GRAMS) SHIPPING: NOMINAL 7 OZ. (200 GRAMS) **OPTIONS OPTIONS OPTIONS** H 15 D, H 25 - H 30 H 15 D, H 25 - H 30 H 15 D, H 25 - H 30 MOUNTING MOUNTING MOUNTING LPI 40 D LOOP POWERED LPI 40 D LOOP POWERED LPI 40 D LOOP POWERED INDICATOR INDICATOR INDICATOR I 14 Voltage / current INPUTS

THE ADTECH 200 SERIES TWO-WIRE TRANSMITTERS PROVIDE FIELD MOUNTED EFFICIENCY AND EASE OF WIRING IN A COMPACT DIN PACKAGE. THE UNITS CONVERT SENSOR INPUTS TO THE INDUSTRY STANDARD 4-20 MA DC TWO-WIRE LOOP OUTPUT FOR INTERFACE DIRECTLY WITH THE PLC'S, DCS'S AND PROCESS COMPUTERS.

MOST UNITS PROVIDE INDEPENDENT LINEARITY EQUIVALENT TO 14-BIT DIGITAL ACCURACY AND INCLUDE USER FRIENDLY FEATURES SUCH AS WIDE RANGING AND NON-INTERACTIVE ZERO AND SPAN CONTROLS.

THE COMPACT DIN MOUNTING STYLE ALLOWS HIGH DENSITY MOUNTING IN NEW OR EXISTING FIELD MOUNTED OR CONTROL PANEL ENCLOSURES.

STANDARD MOUNTING IS DIN RAIL. SURFACE OR SNAP TRACK MOUNTING IS PROVIDED AT NO CHARGE. NEMA 4 OR 7 ARE OPTIONALLY AVAILABLE.

THESE UNITS ARE DESIGNED FOR INDUSTRIAL ENVIRONMENTS. THE HOUSING IS MADE OF RUGGED KRILEN FOR PROTECTION AGAINST CORROSION, MOISTURE AND DUST.

SCREW COMPRESSION TERMINALS ARE PROVIDED FOR POSITIVE FIELD CONNECTIONS.

REVERSE POLARITY PROTECTION AND CURRENT LIMITING ARE SUPPLIED AS STANDARD.

The power range of 8 to 42 VDC provides valuable added drive capability.

THE INPUT CAN BE FACTORY SET TO ORDER AS SPECIFIED (NO CHARGE) OR RECONFIGURED IN THE FIELD BY SIMPLY ADJUSTING SWITCHES, MULTI-TURN POTENTIOMETERS, AND PLUG-IN JUMPERS.

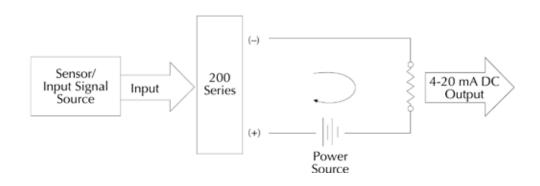
INTEGRAL LCD FIELD INDICATOR (LPI 40D) IS OPTIONALLY AVAILABLE.

AC TO DC OR DC TO DC INSTRUMENT POWER SUPPLIES ARE AVAILABLE. THE IPS 2402 AC/DC POWERS UP TO 2 UNITS. THE IPS 2416 AC/DC OR DC/DC POWERS UP TO 16 UNITS. DIN, SURFACE, SNAP TACK OR NEMA MOUNTINGS ARE AVAILABLE.

Connections

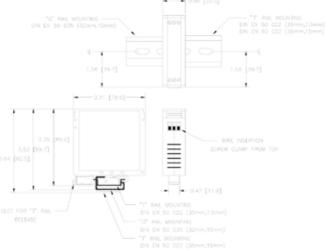


Typical Connection

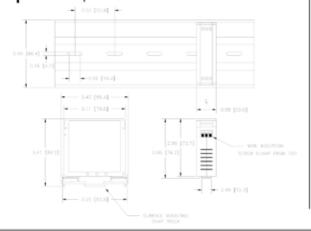


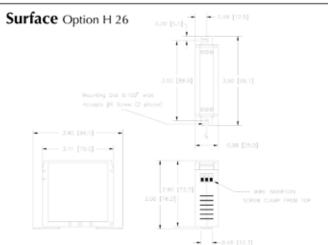
Outline & Mounting

DIN Mount (Standard)



Snap Track Option H 25





NEMA 4 Option H 27

