JX-EP POSITION TRANSDUCER INSTALLATION GUIDE

DIMENSIONAL INFORMATION

RANGES TO 50" (1250 MM)

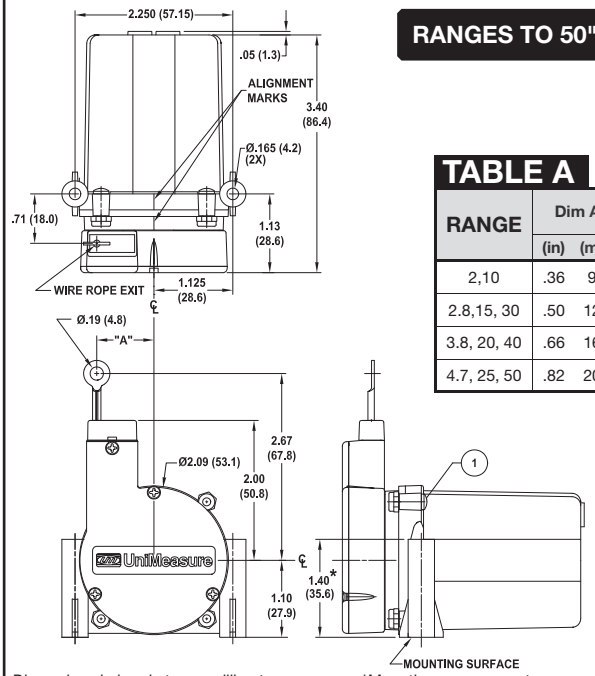


TABLE A

RANGE	Dim A (in)	Dim A (mm)	Nominal Cable Tension (oz)	Nominal Cable Tension (N)
2,10	.36	9.1	16	4.4
2.8,15, 30	.50	12.7	14	3.9
3.8, 20, 40	.66	16.7	11	3.1
4.7, 25, 50	.82	20.8	8	2.2

FIG 1

Dimensions in brackets are millimeters.

*Mounting screws must accommodate this distance.

RANGES 60 & 80" (1250 MM)

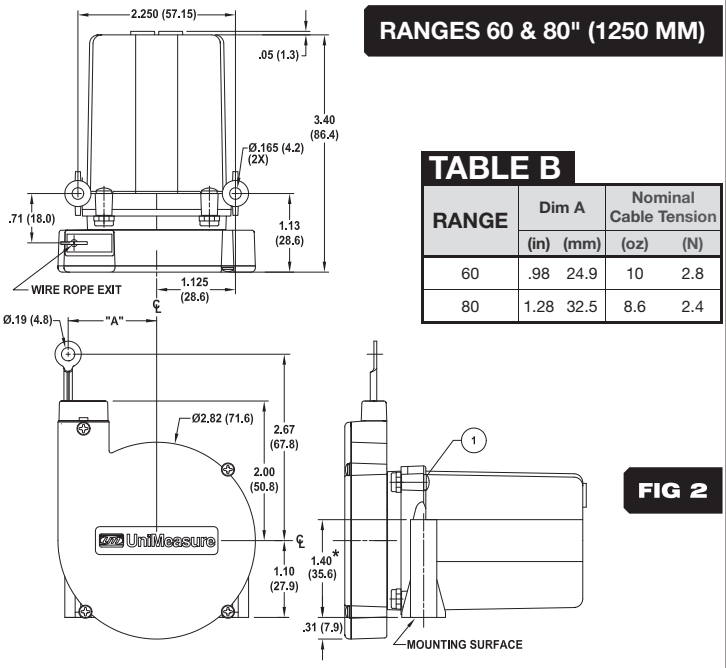


TABLE B

RANGE	Dim A (in)	Dim A (mm)	Nominal Cable Tension (oz)	Nominal Cable Tension (N)
60	.98	24.9	10	2.8
80	1.28	32.5	8.6	2.4

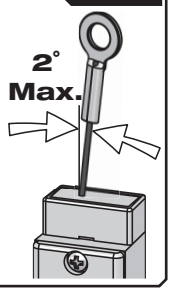
FIG 2

Dimensions in brackets are millimeters.

*Mounting screws must accommodate this distance.

MOUNTING

FIG 3



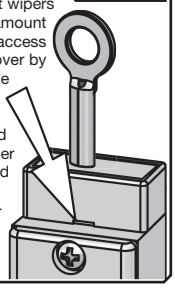
1 To maximize wire rope life, align transducer with moving element so that wire rope exits perpendicular to axis of wire rope exit hole within 2° *(See FIG 3)*.

2 Use Table A or B to determine wire rope exit location relative to transducer mounting holes.

3 Mount unit with two #8 or two M4 (or smaller) pan head machine screws. On units with ranges of 60" (1500 mm) or 80" (2000 mm), place spacer blocks under mounting surface *(See FIG 2)*. Torque 8-32 screws to **8 lb-in** maximum. Torque M4 screws to **0.80 N-m** maximum.

REPLACEMENT WIRE ROPE WIPERS

FIG 4

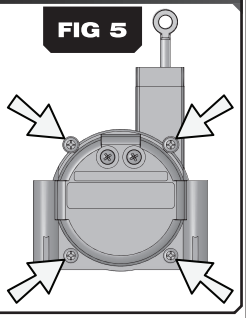


The JX transducer contains wire rope dust wipers which are located just beneath the wire rope exit location. Periodic, replacement of the dust wipers may be necessary depending upon the amount of dust in the operating environment. To access the dust wipers, remove the dust wiper cover by placing a small blade screwdriver into the slot as shown in *FIG 4* and pry upward while squeezing the ends of the cover. The wipers may be removed with tweezers and cleaned or replaced. The replacement wiper kit which contains six pair of prelubricated wipers is UniMeasure part number 10198.

To install replacement wipers, place a wiper into wiper opening on both sides of the wire rope. Press wiper cover into place until detented.

ROTATION OF WIRE ROPE EXIT

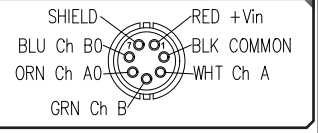
FIG 5



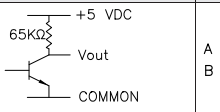
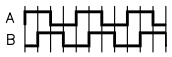
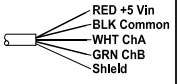
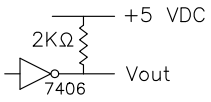
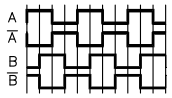
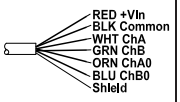
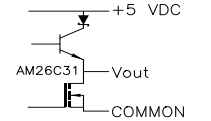
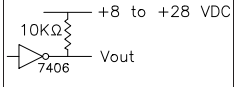
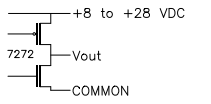
To rotate wire rope exit location, loosen four screws *(See FIG 5)*, which retain mechanism to mounting housing. Note that alignment marks on mechanism occur at 45° intervals. Rotate housing to desired position and torque screws to **50 oz-in (0.35 N-m)**.

OPTIONAL CONNECTOR

Viewed from solder side of mating connector.



ELECTRICAL CABLE WIRING

OPTION	OUTPUT TYPE	OUTPUT STAGE	WAVEFORM	CABLE WIRING
1	**5 VDC TTL** **Two Channel Current Sinking** Two channels in quadrature with 65KΩ internal pullup resistors. ***INPUT VOLTAGE: 5 VDC***			
2	**5 VDC TTL Current Sinking** **Differential Line Drive** Current sinking line drive output. 2KΩ internal pullup resistors. ***INPUT VOLTAGE: 5 VDC***			
3	**5 VDC Push-Pull** **Differential Line Drive** Push-Pull, current sourcing and current sinking output. Output is compliant with requirements of TIA/EIA-422-B. ***INPUT VOLTAGE: 5 VDC***			
4	**8 to 28 VDC Current Sinking** **Differential Line Drive** Current sinking line drive output with 10KΩ internal pullup resistors. ***INPUT VOLTAGE: 8 to 28 VDC***			
5	**8 to 28 VDC Push-Pull** **Differential Line Drive** Push-Pull, current sourcing and current sinking output. ***INPUT VOLTAGE: 8 to 28 VDC***			

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FOR SENSITIVITY INFORMATION, SEE OPPOSITE SIDE

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