LX-PA Series Installation Guide

Installation Information

- 1. Unit mounts on surface shown in Figure 1.
- 2. To maximize cable life, align transducer with moving element so that cable exits unit within 2° of vertical (with unit oriented as shown in Figure 1).
- 3. Use Table 1 to determine cable exit location relative to transducer mounting holes.
- 4. Mount unit with two #6 or smaller machine screws or two M3.5 or smaller metric machine screws.

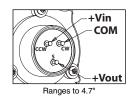
Note

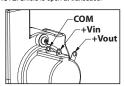
- a) Place a flat washer under the head of each screw.
- b) Torque 6-32 screws to 5 lb-in maximum.
- c) Torque M3.5 screws to **0.56 N-m** maximum.
- 5. Solder electrical leads to potentiometer on transducer per the circuit diagram shown in Figure 2 (designators in diagram correspond to pin designators on potentiometer). Output may be reversed by reversing the +Vin and Common leads. Electrical leads may be strain relieved by fastening to the potentiometer with a cable tie.
- 6. **Note:** Units with ranges 4.7" and less employ a single turn potentiometer which has no stops. On these units the wire rope will extend to a total length of approximately 8" to 10". When extension beyond the specified measurement range occurs, the wiper of the potentiometer traverses a deadband after which the electrical output begins again.

CIRCUIT DIAGRAM

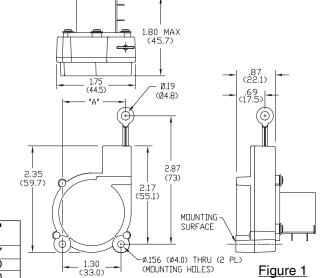
Figure 2







Ranges 10" to 50"



Dimensions in brackets are millimeters

Specifications

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 Range
 Dim (inch)
 "A" (mm)

 2", 10"
 1.01
 25.7

 2.8", 15", 30"
 1.14
 29.0

 3.8",20", 40"
 1.30
 33.0

 4.7", 25", 50"
 1.46
 37.1

Table 1

4175 SW Research Way, Corvallis, Oregon, 97333

•Tel: 541-757-3158 • Fax: 541-757-0858

