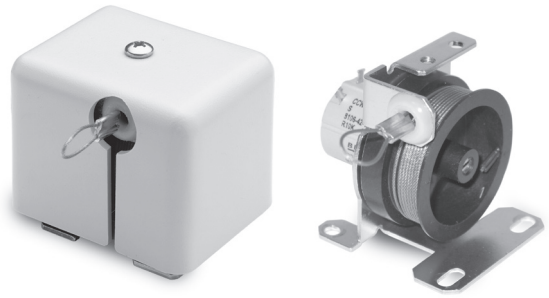
Z115

OEM Series • Voltage Divider Output

Ranges: 0–100 to 0–1000 mm
Compact, Open Frame Design
OEM Applications • Customer Specific Design
100-piece Minimum Order



GENERAL

Full Stroke Ranges	0-100 to 0-1000 mm
Spool Circumference	58 mm, 115 mm (range dependant)
Output Signal	voltage divider (potentiometer)
Accuracy	+0.25 to +0.15% of F.S.*
Repeatability	+0.15% to +0.075% of F.S.*
Resolution	essentially infinite
Measuring Cable	0.034-in dia. nylon-coated stainless steel
Sensor	plastic-hybrid precision potentiometer
Frame Material	zinc-plated steel
Cover Material	plastic
Weight, max.	1 lb.

ELECTRICAL

Input Resistance	500 or 10K ohms (+10%)
Power Rating, Watts	2.0 at 25°C derating to 0 at 105°C

ENVIRONMENTAL

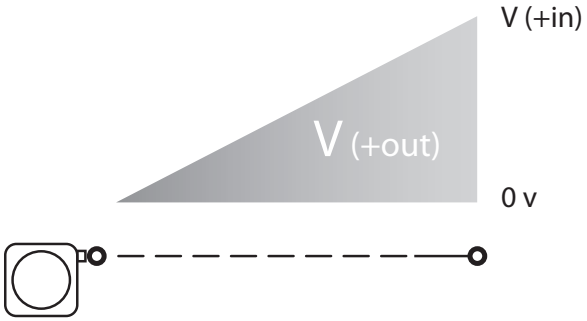
Operating Temperature	-25°C to +105°C
Temperature Coefficient of Potentiometer	+100ppm/°C, -150ppm/°C

**specifications may vary with configuration, please consult factory*

The Z115 Cable-Extension Transducer is a compact, flexible and highly accurate linear position measurement device that can be engineered to OEM specifications.

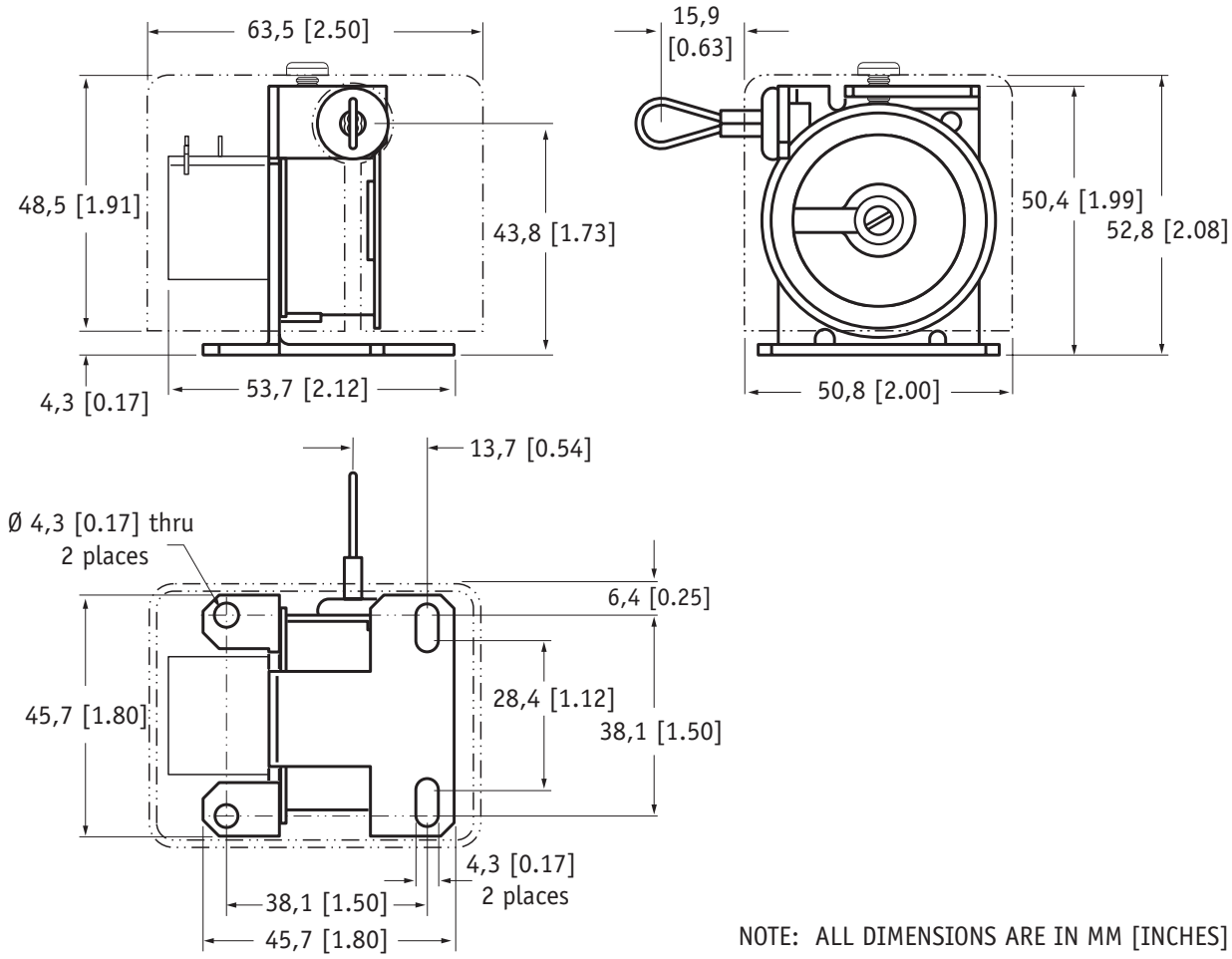
The standard Z115, can be simply modified to meet specific requirements. Circuits can be added for regulated output. Designs are available with and without covers and can be engineered for drop-in replacement of current assemblies. They allow for custom mounting, custom electrical connections and customer-specified life testing. Quantities are available as small as 100 units.

Output Signal



20630 Plummer Street • Chatsworth, CA 91311
tel: 800.423.5483 • +1.818.701.2750 • fax: +1.818.701.2799

Outline Drawing:



NOTE: ALL DIMENSIONS ARE IN MM [INCHES]

Ordering Information:

Application:

<please provide a brief description of application. include exact stroke range, velocity of stroke and estimated number of cycles per year.>

Full Stroke Range:

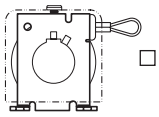
<select available range or specify complete requirements>



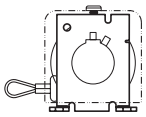
full stroke range (mm):	**50**	**100**	**275**	**550**	**1100**
spool circumference (mm):	58	115	58	58	115
potentiometer turns:	1	1	5	10	10
spring tension, ±30% (oz):	10	7	10	10	7

Ordering Information (cont.):

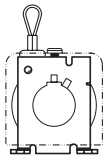
Measuring Cable Exit



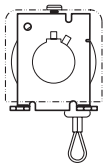
☐ front



☐ rear



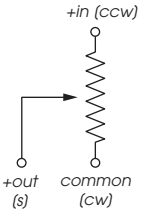
☐ up



☐ down

Potentiometer

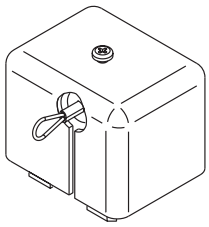
<select value or specify complete requirements including value, voltage and linearity and estimated number of cycles per year>



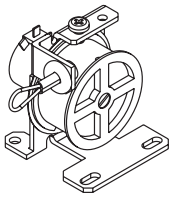
☐ 500 Ω ☐ 10K Ω ☐ other:

Enclosure

<select no cover or specity custom enclosure requirements>



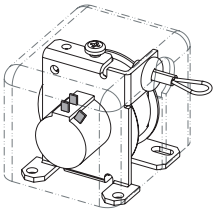
☐ cover



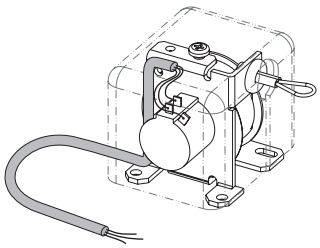
☐ no cover

☐ custom enclosure:

Electrical Connection



☐ solder connection



☐ instrumentation cable
- ☐ length:
- ☐ connector
  - manufacturer:
  - manufacturer's part no.: