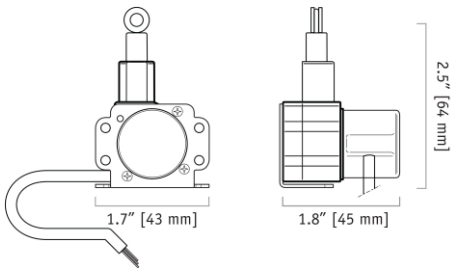


Just like the SM1, the SM2 is the perfect sensing solution when tight space is an issue. With its rugged compact design, handy mounting bracket and a 40-inch electrical cable for easy signal connection, the SM2 is the perfect solution for the OEM and single piece users alike.

At just a little over an inch across, this miniature stringpot offers full stroke measurement ranges from 2½ to 25 inches. A precision plastic hybrid 10K-ohm potentiometer delivers a voltage divider output signal that is linearly proportional to the travel of the spring-loaded measuring cable.

SM2

Miniature String Pot • Voltage Divider

Linear Position to 25 inches (635 mm)

Fits In Tight Spaces • Handy Mounting Bracket

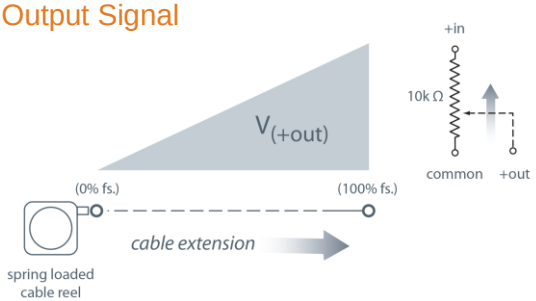
Polycarbonate Enclosure • Free Release Tolerant

In Stock for Quick Delivery!

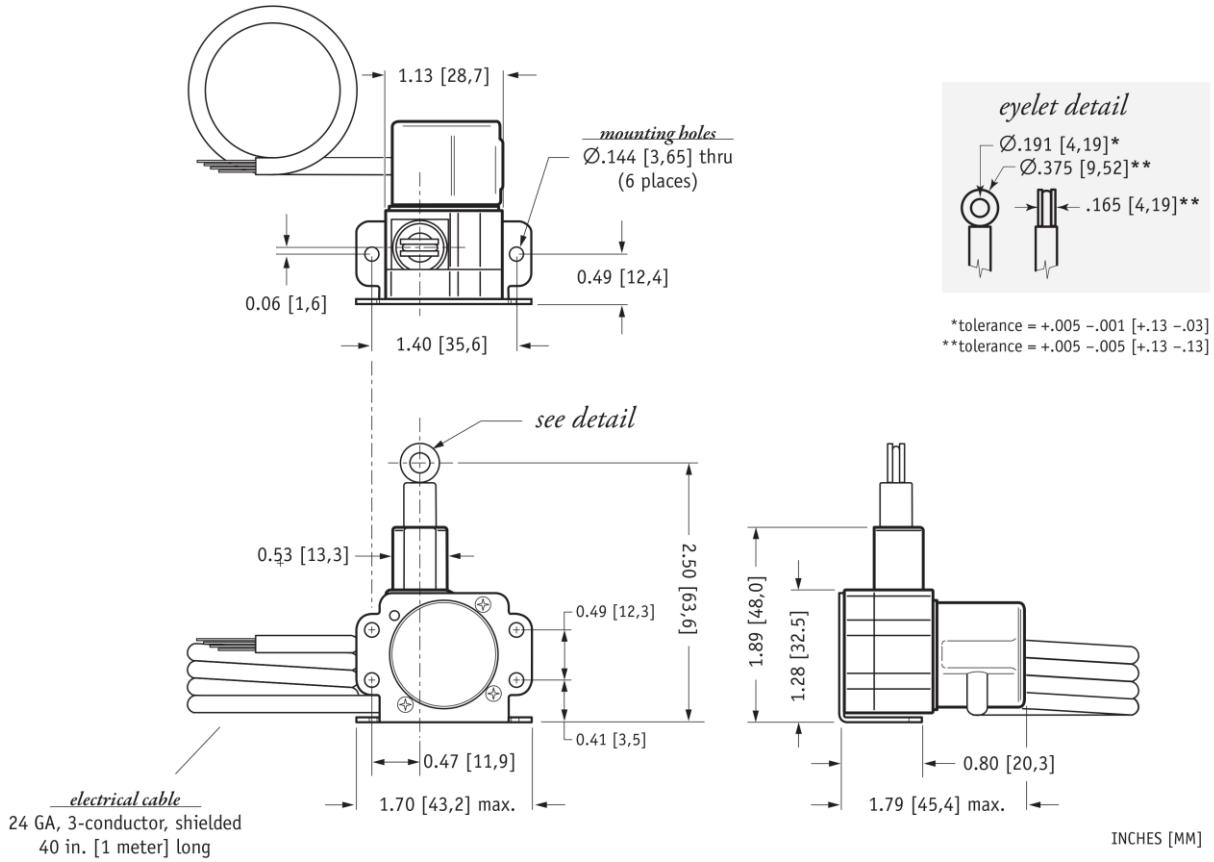
Specifications

Available Stroke Ranges	2.5, 7.5, 12.5, 25 inches
Output Signal	voltage divider (potentiometric)
Accuracy	.25% to 1% FS. (see ordering info)
Repeatability	.05% FS.
Resolution	essentially infinite
Measuring Cable	.014-inch dia. nylon-coated stainless steel
Maximum Acceleration	15 g (retraction)
Measuring Cable Tension	5.1 oz. (1,4 N) ±30%
Sensor	plastic-hybrid precision potentiometer
Input Resistance	10K ohms, ±10%
Power Rating, Watts	2.0 at 70°F derated to 0 at 250°F
Recommended Maximum Input Voltage	30 V (AC/DC)
Output Signal Change Over Full Stroke Range	94% ±4% of V(+in)
Cycle Life	see ordering information
Electrical Connection	40 inch (1 m), 24 ga. shielded 3-conductor cable
Enclosure	glass-filled polycarbonate
Environmental	IP 50
Operating Temperature	0˚ to 160˚ F (-18˚ to 70˚ C)
Weight (not including bracket)	3 oz (90 g)

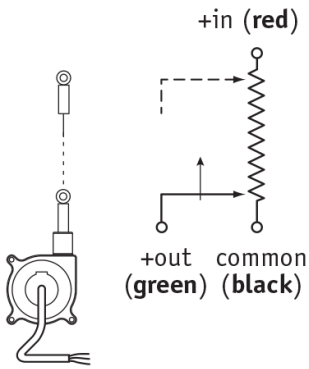
Output Signal



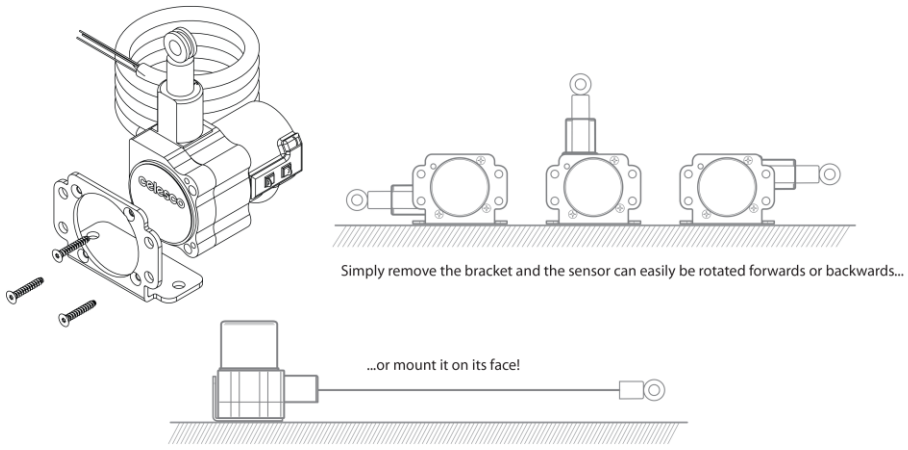
Outline Drawing (w/ bracket)



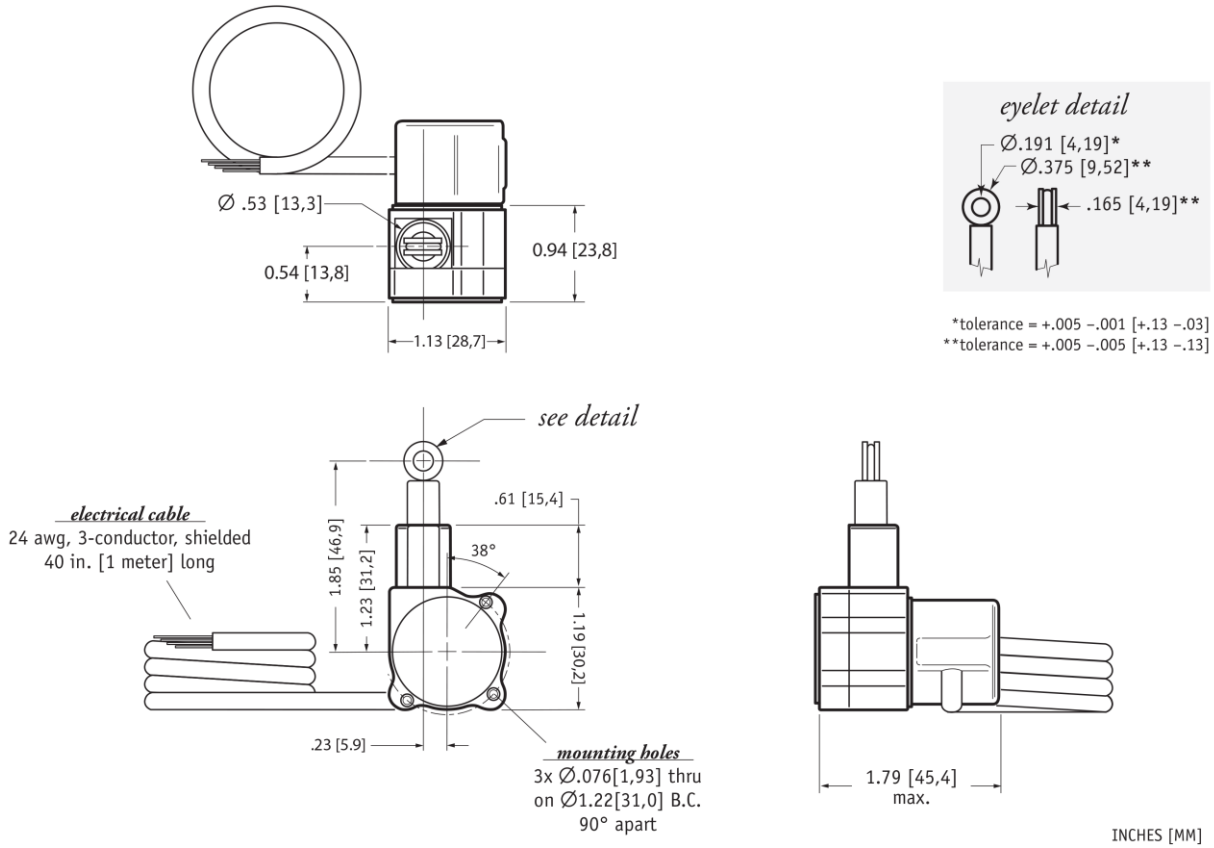
Electrical Connection



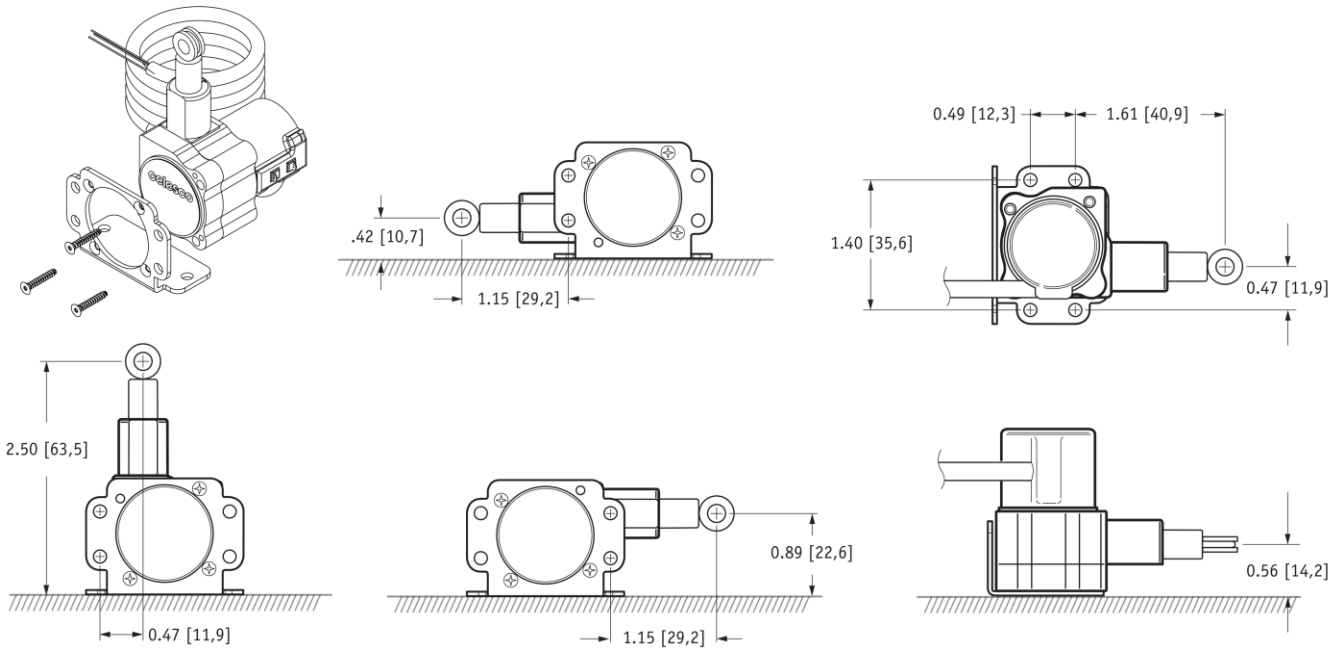
Mounting Options



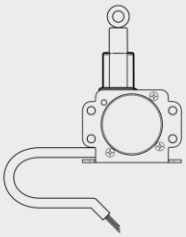
Outline Drawing (w/o bracket)



Mounting Option Details



Ordering Information



includes sensor & mounting bracket.

Order No.	full stroke range	accuracy (% of f.s.)	cycle life
SM2-2	2.5 in (64 mm)	1.00%	2.5M cycles
SM2-7	7.5 in (191 mm)	0.25%	500K cycles
SM2-12	12.5 in (318 mm)	0.25%	500K cycles
SM2-25	25 in (635 mm)	0.25%	250K cycles

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SM2 12/01/2015

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