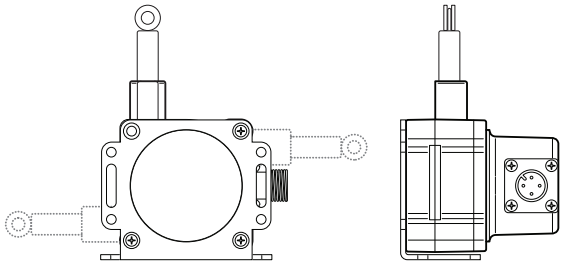
SPD

Compact, High-Performance • Dual Ouput to 50”

Comes With Both 4...20mA and 0...10V Output
Rugged IP67 Polycarbonate Enclosure
Mounting Bracket & Sensor Cover Adjusts for Easy Installation
IN STOCK for Quick Delivery!

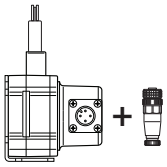




SPECIFICATIONS

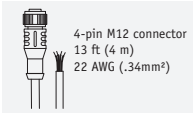
Full Stroke Range Options	0-4.75 to 0-50 inches
User Selectable Output Signal	4...20 mA (2-wire) / 0...10 Vdc
Input Voltage, 4...20 mA option	8-40 VDC
Input Voltage, 0...10 Vdc option	12-32 VDC
Accuracy	see ordering information
Repeatability	.05% FS.
Resolution	essentially infinite
Measuring Cable	.019-inch dia. nylon-coated stainless steel
Sensor	plastic-hybrid precision potentiometer
Cycle Life	see ordering information
Electrical Connection	M12 connector (mating plug included)
Enclosure	glass-filled polycarbonate
Environmental	IP 67
Operating Temperature	-40˚ to 160˚ F (-40˚ to 70˚ C)
Weight (includes sensor, bracket and connector)	.4 lbs (.19 kg)

ORDERING INFORMATION



includes sensor, mounting bracket & mating connector.

Part Number	full stroke range	accuracy	max. acceleration	measuring cable tension (± 25%)	cycle life
SPD-4-3	4.75 in (120 mm)	1.00%	11 g	11.5 oz. (3,2 N)	2.5M
SPD-12-3	12.5 in (317 mm)	.25%	11 g	13.9 oz. (3,7 N)	500K
SPD-25-3	25 in (635 mm)	.25%	11 g	11.5 oz. (3,2 N)	500K
SPD-50-3	50 in (1270 mm)	.25%	11 g	11.5 oz. (3,2 N)	250K



Optional Cordset

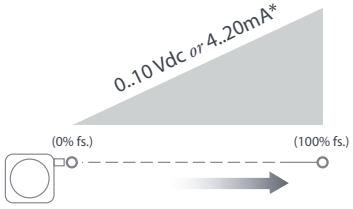
Part No. **9036810-0040** for short-run connections, an optional 13-ft. cordset with 4-pin M12 connector

This compact stringpot provides the ultimate in ease-of-use and flexibility. This sensor fits in small spaces, doesn’t need perfect alignment, mounts in just about any direction imaginable and has a unique circuit that lets the user choose 4-20mA or 0-10Vdc output on the fly.

The SPD comes in 4 different stroke ranges up to 50 inches and is constructed with a rugged polycarbonate body sealed against IP67 (wet) environments for both indoor and outdoor applications. Every unit ships with a stainless steel mounting bracket that lets the user easily point the measuring cable in the direction needed.

High value and economical price makes this sensor the perfect choice for the OEM and single-piece user alike. Customer specific designs available for the OEM, please contact factory for more information.

Output Signal:



signal endpoint tolerances

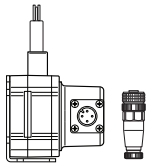
Output Signal*	0% fs.	100% fs.
4..20 mA	4 – 4.25 mA	19.2 – 20 mA
0..10 Vdc	0 – .2 Vdc	9.5 – 10 Vdc

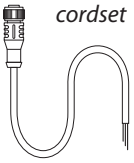
*note: signal endpoints are set at the time of manufacture and cannot be adjusted

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

celesco

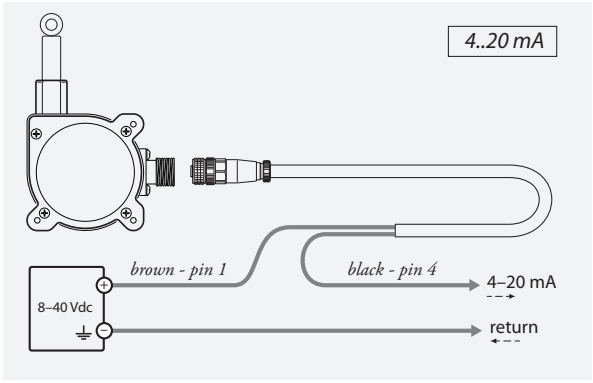
Electrical Connection:



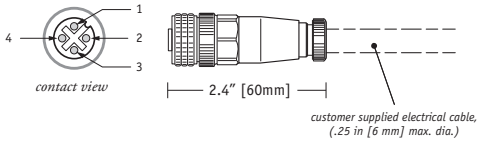


Output Signals

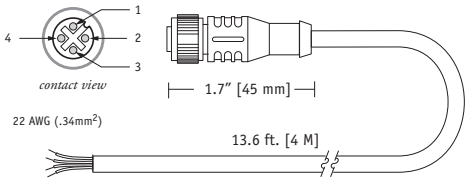
0...10 Vdc	*4...20 mA*	*pin*	*pin - colorcode*
12...32 Vdc	8...40 Vdc	1	1 - brown
0...10 Vdc	n/c	2	2 - white
n/c	n/c	3	3 - blue
common	4...20 mA	4	4 - black

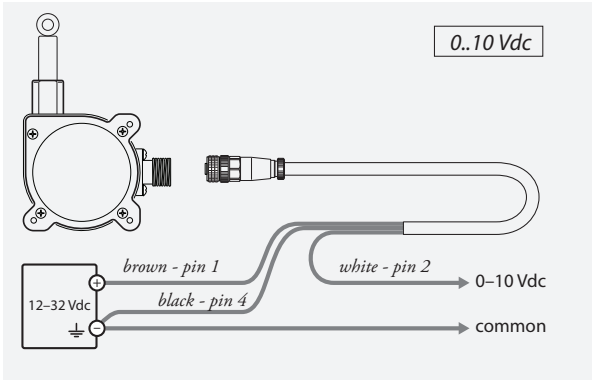


field installable connector (included)

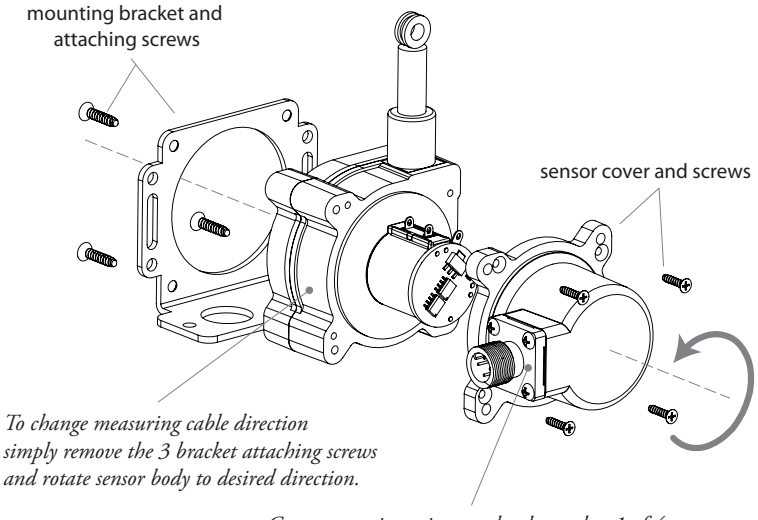


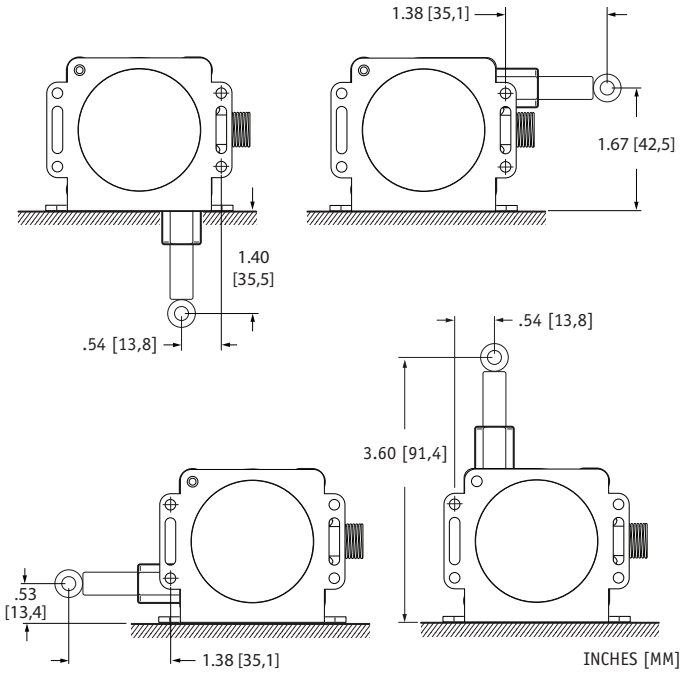
cordset, part no. 9036810-0040 (optional)



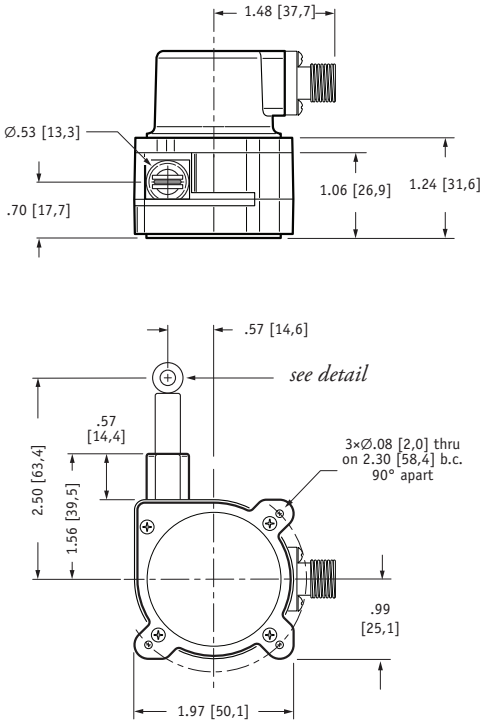


Mounting Options:

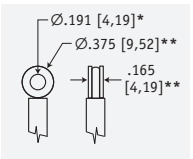




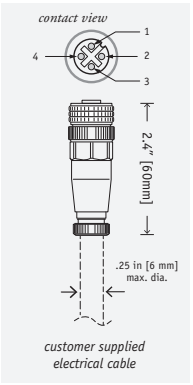
SPD-xx-3 w/o Mounting Bracket:

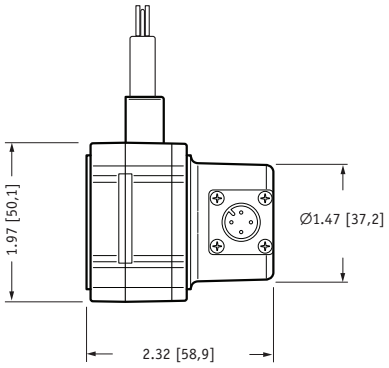


eyelet detail



mating plug (included)

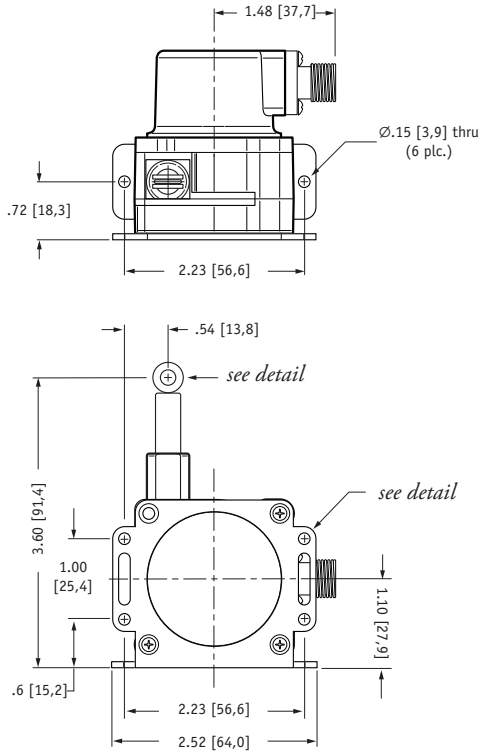




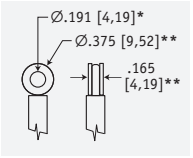
DIMENSIONS ARE IN INCHES [MM]
tolerances are 0.04 IN. [1,0 MM] unless otherwise noted.

* tolerance = +.005 –.001 [+0,1 –0,0]
** tolerance = +.005 –.005 [+0,1 –0,1]

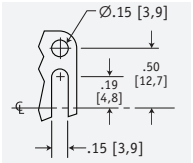
SPD-xx-3 w/ Mounting Bracket:

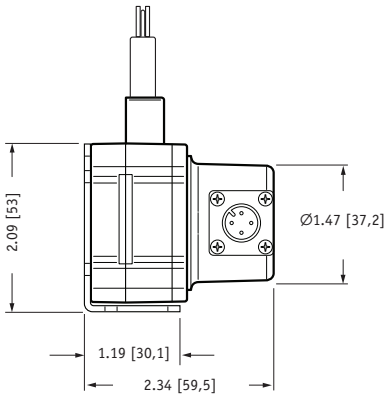


eyelet detail



bracket detail





DIMENSIONS ARE IN INCHES [MM]
tolerances are 0.04 IN. [1,0 MM] unless otherwise noted.

* tolerance = +.005 –.001 [+0,1 –0,0]
** tolerance = +.005 –.005 [+0,1 –0,1]

version: **4.0** last updated: **May 15, 2014**