S Series Installation Guide

includes: SP1, SP2, SP3 and SE1

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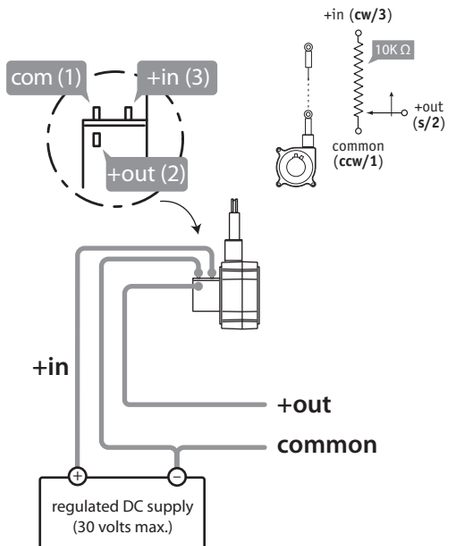
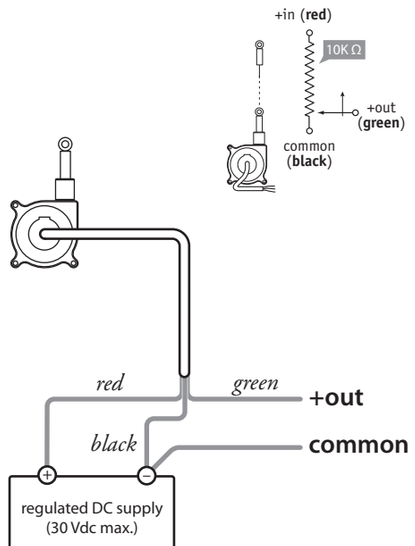
SP1 - voltage divider - w/ solder terminals

SP1-4, SP1-12, SP1-25, SP1-50



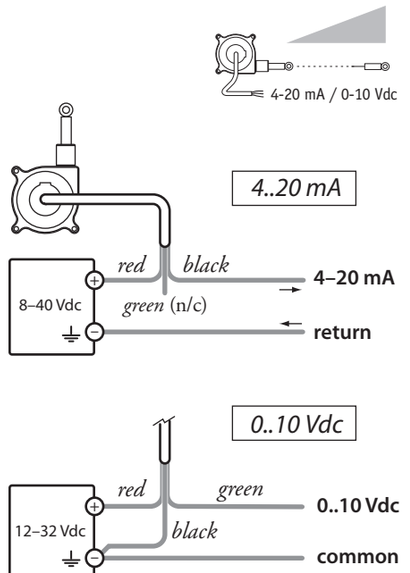
SP2 - voltage divider - w/ electrical cable

SP2-4, SP2-12, SP2-25, SP2-50



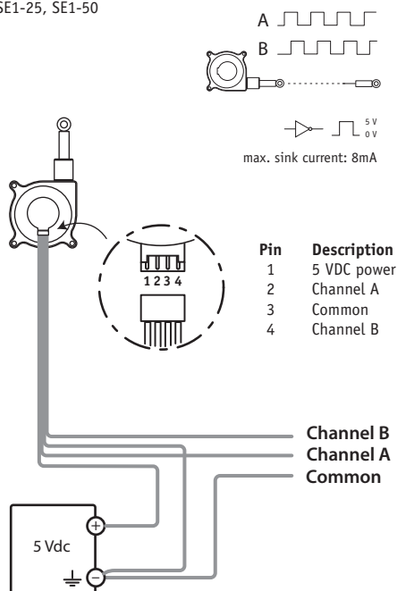
SP3 - user selectable output - 4..20mA • 0..10Vdc

SP3-4, SP3-12, SP3-25, SP3-50



SE1 - incremental encoder - w/ 12-inch leads and sip connector

SE1-25, SE1-50



Pin	Description
1	5 VDC power
2	Channel A
3	Common
4	Channel B

Mechanical

Enclosure:	polycarbonate
Measuring Cable:	.019-in. dia. nylon-coated stainless
Measuring Cable Tension:	7 oz.
Max Cable Acceleration:	15 g

SP1 / SP2

Stroke Range Options:	4.75, 12.5, 25 and 50 inches
Accuracy	
4.75-inch range:	1% fs.
all others:	.25% fs.
Repeatability:	±.05% fs.
Input Resistance:	10K ohms, ±10%
Power Rating:	2 W at 70°F (21°C)
Operating Temp:	0-160°F (-18 to 71°C)
SP1 Specs:	celesco.com/_datasheets/sp1.pdf
SP2 Specs:	celesco.com/_datasheets/sp2.pdf

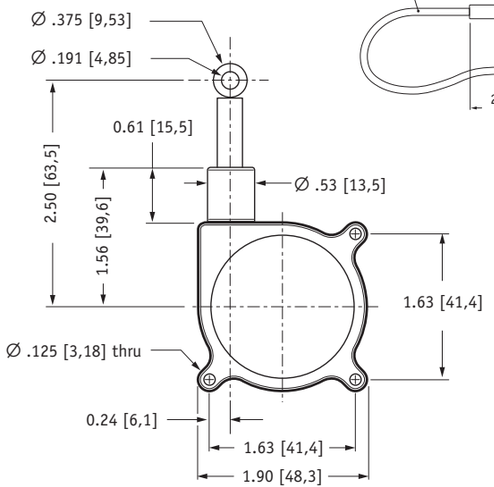
SP3

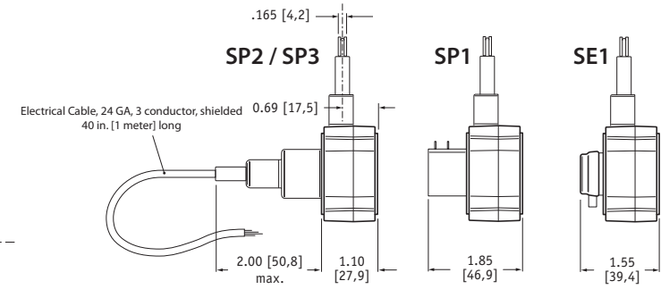
Stroke Range Options:	4.75, 12.5, 25 and 50 inches
Accuracy	
4.75-inch range:	1% fs.
all others:	.25% fs.
Repeatability:	±.05% fs.
Input Voltage (0-10 Vdc option):	12-32 Vdc
Input Voltage (4-20 mA option):	8-40 Vdc
Operating Temp:	0-160°F (-18 to 71°C)
SP3 Specs:	celesco.com/_datasheets/sp3.pdf

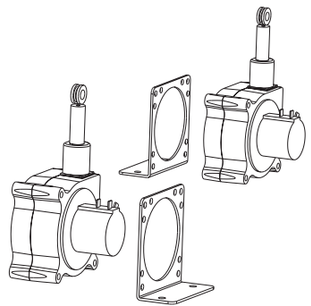
SE1

Stroke Range Options:	25 and 50 inches
Output Signal:	incremental encoder
Resolution:	56.40 ± .32 pulses per inch
Accuracy	±.050 in.
Repeatability:	±.025 in.
Input Voltage:	5 Vdc
Input Current:	50 mA max.
Operating Temp:	14-185°F (-10 to 85°C)
SE1 Specs:	celesco.com/_datasheets/se1.pdf

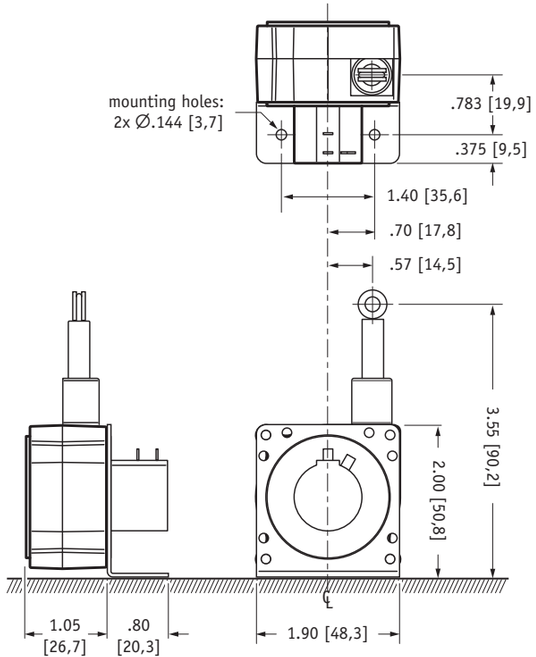
version: 1.0 / item no: SP-MANUAL







removable/adjustable mounting bracket



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