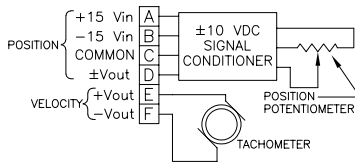


HX-VP1010 Series Installation Guide

Wiring and Circuit Diagram

Model HX-VP1010



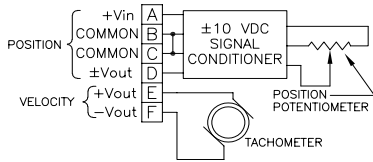
Position

Excitation Voltage +15 & -15 VDC (±5%)
Output Impedance 1.0 Ω max.
Output Load 5KΩ min.

Velocity

The tachometer is self energizing and requires no input voltage.

Model HX-VP1010-xx-



Position

See Table 1 at right for position input voltage.

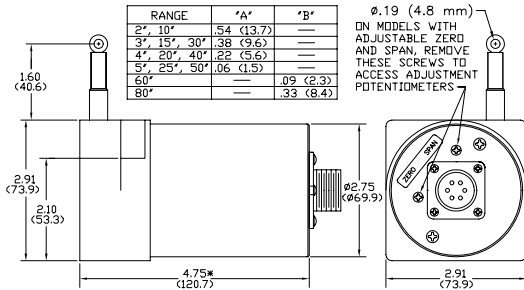
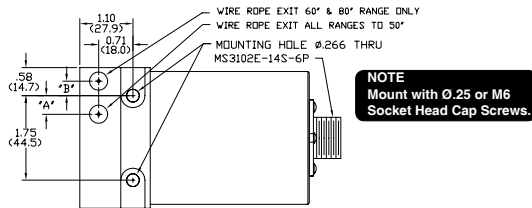
Velocity

The tachometer is self energizing and requires no input

Option Designator	Input Voltage
SI	4.9 to 30 VDC
SI5	5 ±0.5 VDC
SI12	12 ±0.5 VDC
SI15	15 ±0.5 VDC
SI24	24 ±1.0 VDC

With small blade type screwdriver (.105" max. blade width X .023" max. blade thickness), adjust the *Zero* and *Span* controls on the transducer to set the zero and maximum output voltages. **Note:** The *Zero* and *Span* controls are somewhat interactive and may require several iterations to obtain the desired zero and maximum voltage settings. Extend the transducer cable (on angular position transducers, rotate shaft) to the desired zero position (must be within 10% to 90% of the total range). Adjust the *Zero* control to give a zero voltage output. Then extend the cable (on angular position transducers, rotate shaft) to the desired maximum position in the direction of longest possible travel (either positive or negative) from the zero position. To obtain maximum output voltage magnitude this position must lie within 50% to 100% of the longest possible travel. Adjust the *Span* control to the output voltage magnitude required (+ or - 10 VDC maximum). Recheck the zero and span settings and readjust if necessary.

Dimensional Information

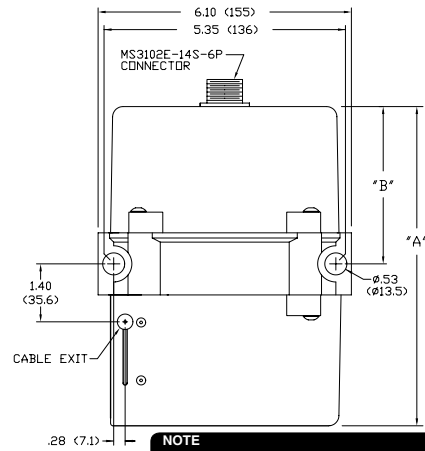
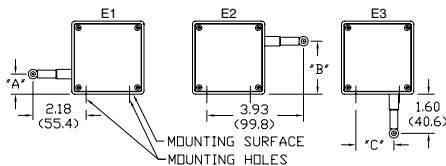


Note: Dimensions in brackets are millimeters.

Alternate Wire Rope Exit

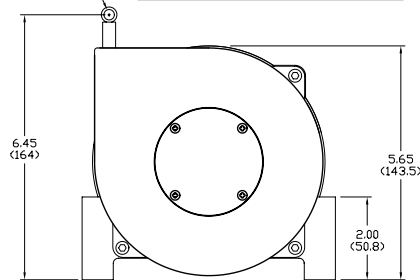
RANGE	"A"	"B"	"C"
2", 10"	1.12 (28.4)	1.79 (45.5)	1.21 (30.7)
3", 15", 30"	.96 (24.4)	1.95 (49.5)	1.37 (34.8)
4", 20", 40"	.80 (20.3)	2.11 (53.6)	1.53 (38.9)
5", 25", 50"	.64 (16.3)	2.27 (57.7)	1.69 (42.9)
60"	.49 (12.4)	2.42 (61.5)	1.84 (46.7)
80"	.25 (6.4)	2.66 (67.6)	2.08 (52.8)

Alternate Wire Rope Exit



NOTE Mount with Ø.50 or M12 Socket Head Cap Screws

RANGE	DIM "A"	DIM "B"
RANGES TO 800"	7.70 (195.6)	3.80 (96.5)
1000" TO 2000"	11.0 (280.0)	5.60 (142.0)
V & VP 500" TO 800"	9.50 (241.3)	5.60 (142.0)



DIMENSIONS IN BRACKETS ARE MILLIMETERS

Alternate Wire Rope Exit

