HX-EP Series Installation Guide

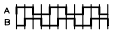
Wiring and Circuit Diagram

Digital Output / 2 Channel

Connector

A	+Vin
B	COMMON
C	CHANNEL A
D	CHANNEL B
E	N.C.
F	N.C.

Waveform



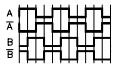
Model/Option	+ V in	OUTPUT STAGE
Standard EP, EPM, HX-EP	+5 VDC ±5%	Figure 1
H1	8 to 28 VDC	Figure 3

Digital Output / Line Drive

Connector

A	+Vin
B	COMMON
C	CHANNEL A
D	CHANNEL $\overline{A}$
E	CHANNEL B
F	CHANNEL $\overline{B}$

Waveform



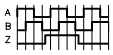
Model/Option	+ V in	OUTPUT STAGE
H2	+5 VDC ±5%	Figure 2
H3	8 to 28 VDC	Figure 3
H4	8 to 28 VDC	Figure 4
H5	+5 VDC ±5%	Figure 5

Digital Output / 2 Channel with Index

Connector

A	+Vin
B	COMMON
C	CHANNEL A
D	CHANNEL B
E	CHANNEL Z
F	N.C.

Waveform



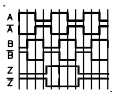
Model/Option	+ V in	OUTPUT STAGE
"I" option	+5 VDC ±5%	Figure 1
"H1I" option	+8 to +28 VDC	Figure 3

Digital Output / Line Drive with Index

Connector

A	+Vin
B	COMMON
C	CHANNEL A
D	CHANNEL $\overline{A}$
E	CHANNEL B
F	CHANNEL $\overline{B}$
G	CHANNEL Z
H	CHANNEL $\overline{Z}$

Waveform



Model/Option	+ V in	OUTPUT STAGE
H2I	+5 VDC ±5%	Figure 2
H3I	8 to 28 VDC	Figure 3
H4I	8 to 28 VDC	Figure 4
H5I	+5 VDC ±5%	Figure 5

Output Stages

5 VDC Input Two Channel TTL

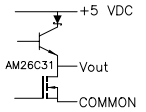


Figure 1

Open Collector Current Sinking Output with 2KΩ Pullup

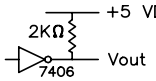


Figure 2

8 to 28 VDC Input Current Sinking Output with 10KΩ Pullup

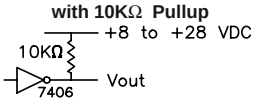


Figure 3

8 to 28 VDC Input Push-Pull Output

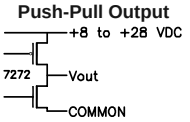


Figure 4

5 VDC Input Push-Pull Output

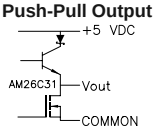
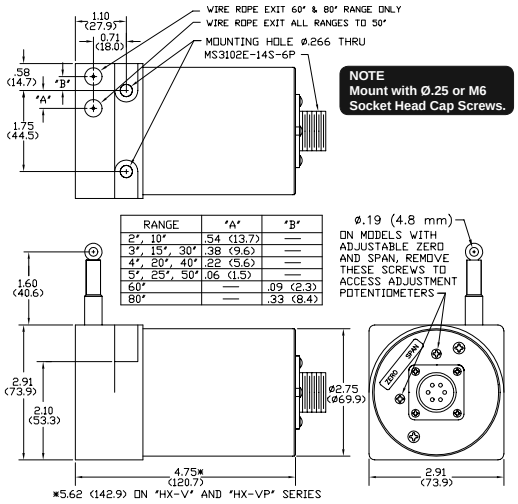
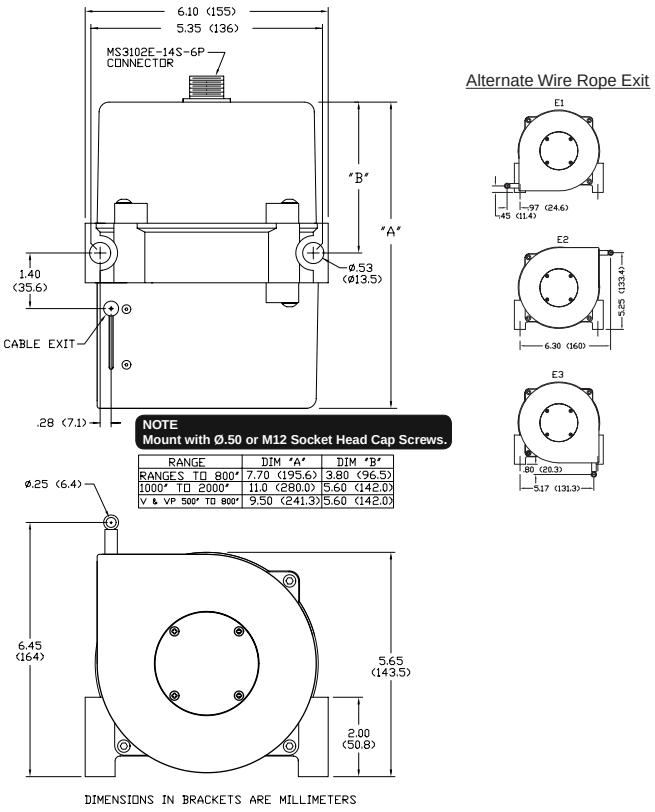


Figure 5

Dimensional Information



RANGE	"A"	"B"
2", 10"	.54 (13.7)	—
3", 15", 30"	.38 (9.6)	—
4", 20", 40"	.22 (5.6)	—
5", 25", 50"	.06 (1.5)	—
60"	—	.09 (2.3)
80"	—	.33 (8.4)



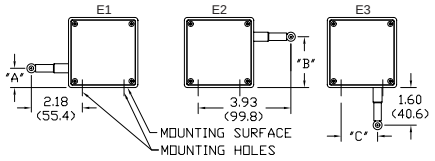
RANGE	DIM "A"	DIM "B"
RANGES TO 800"	7.70 (195.6)	3.80 (96.5)
1000" TO 2000"	11.0 (280.0)	5.60 (142.0)
V & VP 500" TO 800"	9.50 (241.3)	5.60 (142.0)

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



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