

JOYSTICK ADDITIONAL FEATURES OPTION

☐ BLANK INDICATES NO OPTIONS TO JOYSTICK

ORDERING INFORMATION:

M 2 0 0 0 ☐ - N ☐ - K ☐

OPTIONS (VOLTAGE INPUT/OUTPUT)

KNOB OPTIONS (SEE PAGE 2 OF 2)

JOYSTICK OPTIONS	
D	LOW TEMPERATURE RANGE (-40°C TO +80°C)
Z	CONFORMAL COATING ON PCB
RF	CONDUCTIVE BOOT AND FERRITE BEAD
G	MAXIMUM COMPRESSION SPRING
N	NEUTRAL SWITCH (AVAILABLE ON +5V MODELS ONLY)

	INPUT	V REF @ CENTER POSITION	OUTPUT
0	+12V	+6V	+3V TO +9V
2	±5V	0V	±5V
3		RESERVED	
4	+5V	+2.5 V	+0.5V TO +4.5 V
5	+5V	+2.5V	+0V TO +5V
6	±10V	0V	±10V
7	+10V	+5V	+1V TO +9V

CUSTOMER CABLE NOTES

- 1.) MUST BE SHIELDED.
- 2.) CABLE LENGTHS RECOMMEND 10 FT. OR LESS; OTHERWISE ANALOG FILTERING MAY BE REQUIRED
- 3.) V REF. (PIN 4) SHOULD ONLY BE USED WITH SHORT CABLES

CTI ELECTRONICS CORPORATION
WWW.CTIELECTRONICS.COM

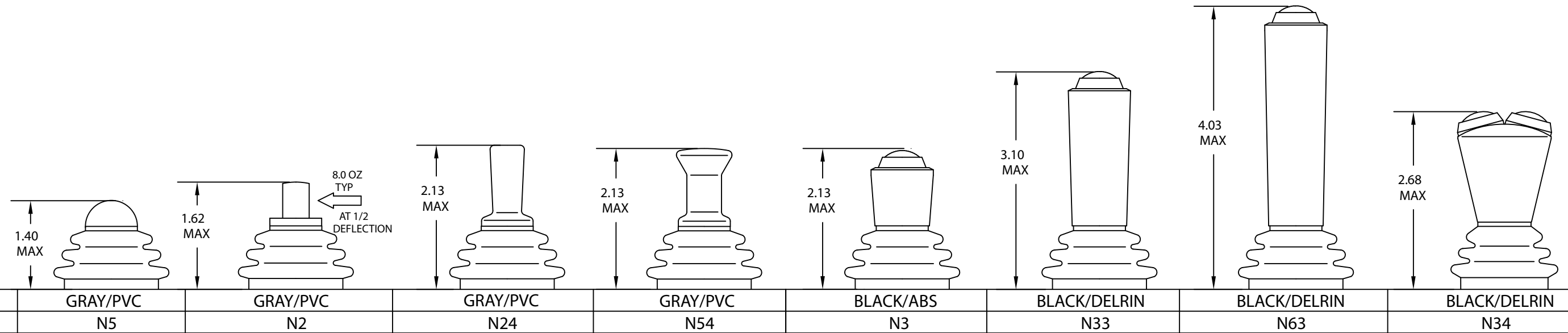
NEMA 4X(IP66)
HAND HELD ANALOG JOYSTICK
M2000-NX SERIES

761797

APPROVED

SHEET 1 OF 2
DATE 12-16-11

REV. **C**
DRAWN BY
PSB



NOTE

1. HEIGHT SHOWN IS FROM MOUNTING SURFACE ON NEOPRENE BOOT, REDUCE BY THE PANEL THICKNESS DIMENSION APPROXIMATE .05" WHEN INSTALLED IN AN ENCLOSURE AS SHOWN ON SHEET 1 OF 2
2. REFERENCE INDIVIDUAL JOYSTICK SPECIFICATION DRAWINGS FOR ADDITIONAL INFORMATION

PIN-OUT GUIDE

KNOB OPTIONS	N5 N2 N24 N54	N3 N33 N63	N34	N5 N2 N24 N54 N3 N33 N63 N34				
VOLTAGE OPTIONS	K4 K5	K4 K5	K4 K5	K7	K0	K2	K6	
PIN								
1	+5V	+5V	+5V	+10V	+12V	+5V	+10V	
2	COMMON	COMMON	COMMON	COMMON	COMMON	-5V	-10V	
3	X OUT	X OUT	X OUT	X OUT	X OUT	X OUT	X OUT	
4	V REF	V REF	V REF	V REF	V REF	COMMON	COMMON	
5	Y OUT	Y OUT	Y OUT	Y OUT	Y OUT	Y OUT	Y OUT	
6	----	PUSH BUTTON SWITCH	LEFT PUSH BUTTON	(LEFT) PUSH BUTTON SWITCH				
7	OPTIONAL NEUTRAL SWITCH	OPTIONAL NEUTRAL SWITCH	RIGHT PUSH BUTTON	RIGHT PUSH BUTTON SWITCH N34 ONLY				
8	SHIELD	SHIELD	SHIELD	SHIELD				

CTI ELECTRONICS CORPORATION
 WWW.CTIELECTRONICS.COM

NEMA 4X(IP66)
 HAND HELD ANALOG JOYSTICK
 M2000-NX SERIES

761797

SHEET 2 OF 2

REV. **C**

APPROVED

DATE 12-16-11

DRAWN BY
 PSB