

# 1000HE series

Compact & rugged fingertip controllers •  
switching technology



## DISTINCTIVE FEATURES

- One or two axis
- V4 Micro Switches up to 10 A
- Single or double pole
- 22 mm bush mounting
- Sealed up to IP67



## ENVIRONMENTAL SPECIFICATIONS

- Operating Temperature: -20 °C to +50 °C (-4 °F to +122 °F)
- Sealing: IP67 with rubber boot (dependant on configuration)



## ELECTRICAL SPECIFICATIONS

- Maximum Voltage Range: 30 VDC
- Nominal Current: 4 A - 10 A
- Number of Switches: 2, 4 or 8
- Contacts:
  - 4 A • 30 VDC - V4 Gold
  - 10 A - V4 • 30 VDC Silver
  - Right-angle - V4 silver 4 A • 30 VDC
  - Fast on style - V4 silver 4 A • 30 VDC
- Switch Contact: Changeover
- Contact Life: Load Dependent



## MECHANICAL SPECIFICATIONS

- Mechanical Angle of Movement: 24° (12° from center)
- Mechanical Life: 1 million lifecycles (dependant on configuration)
- Mass/weight: 70 g (2.47 oz)



## MATERIALS

- Shaft: Stainless steel
- Boot: Neoprene
- Housing: Mineral filled nylon-6
- Handles: BE Aluminum & phenolic; BH Aluminum

The company reserves the right to change specifications without notice.



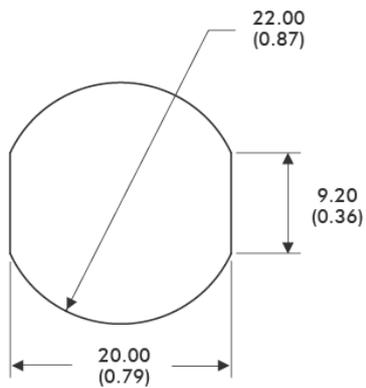
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## MOUNTING

### PANEL CUT-OUT



NOTE: The joystick is mounted from beneath the panel.

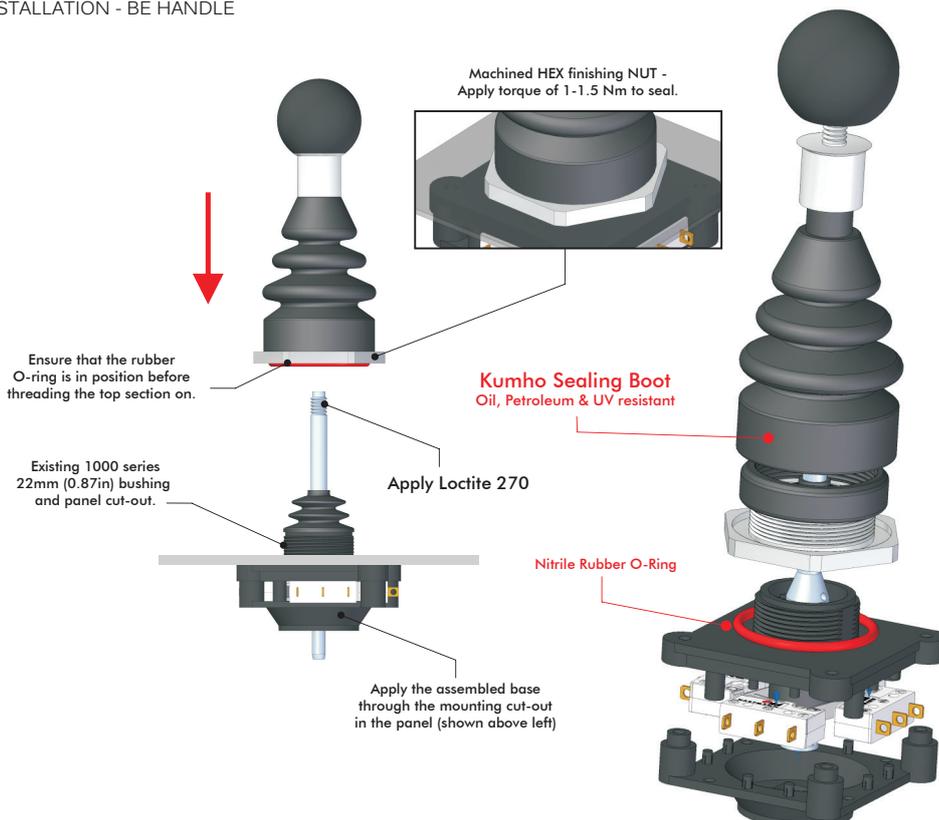
### ASSEMBLY



Apply the assembly base through the mounting cut-out.



### INSTALLATION - BE HANDLE



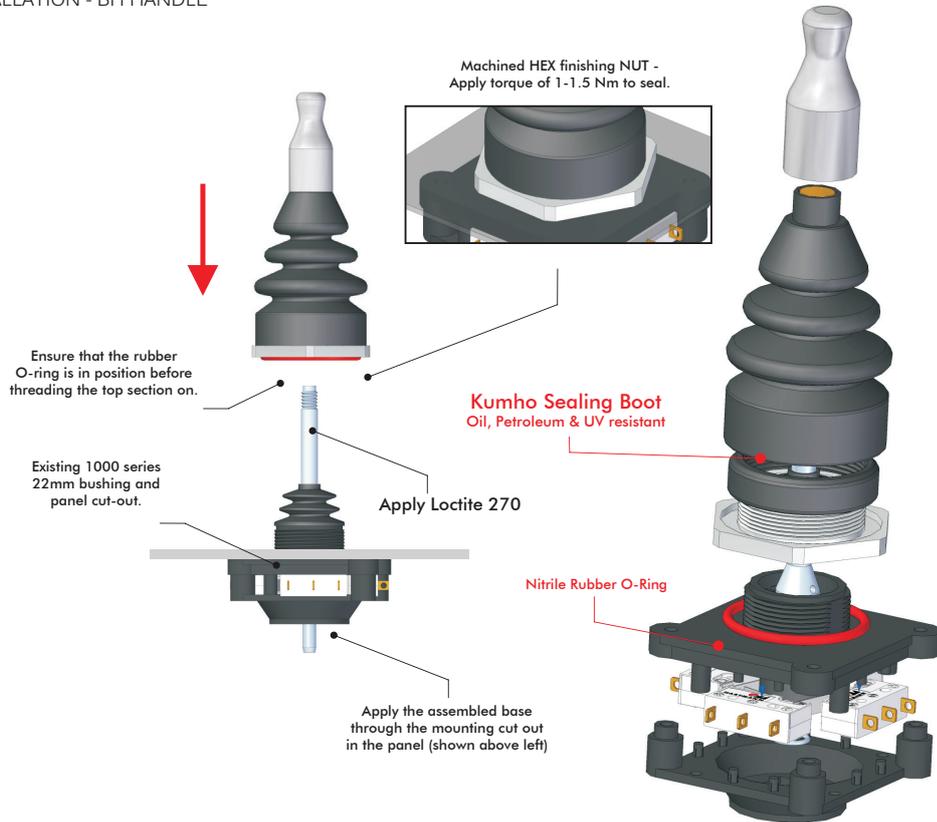
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## MOUNTING (CONTINUED)

INSTALLATION - BH HANDLE



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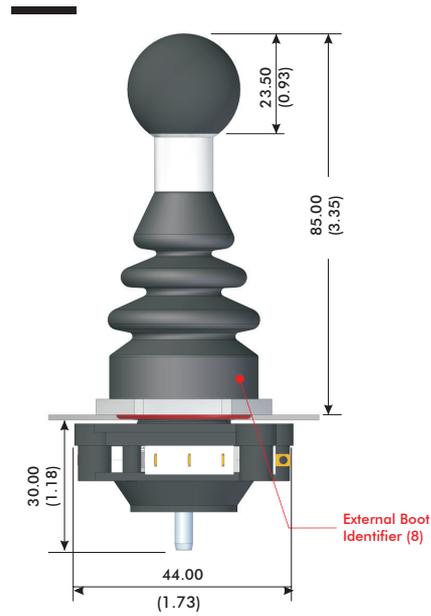
 BUILD YOUR PART NUMBER

[ ]	<b>D</b>	[ ]	<b>Z</b>	[ ]	<b>08</b>	[ ]
SWITCHES		POLES		HANDLE		MODIFIER
<b>1</b> 4 A - 30 VDC - V4		<b>1</b> Single pole		<b>BE</b> Round		<b>135</b> + Limiter Fitted
<b>3</b> 10 A - 12 VDC - V4		<b>2</b> Double pole		<b>BH</b> Toggle		<b>136</b> - Limiter Fitted
<b>4</b> Right angle V4 4 A - 30 VDC						
<b>5</b> 4 A - 30 VDC - V4 Fast-on style						

## DIMENSIONS - BE HANDLE



NOTE: Double pole version is 27.5 mm (1.08 in) deep below panel



## DIMENSIONS - BH HANDLE



NOTE: Users may still select their choice of V4 Micro switch and number of poles according to the standard 1000 series option list. Users may also select the joystick to have an open square gat (when no limiter is fitted) or a metal slot or cross limiter factory fitted.

