



Multi-function Joystick Model

D192

Product Features

- Ergonomic design
- Single-axis or dual-axis operation with spring return to center
- Robust joystick body suitable for harsh environments
- Analog linear output with high safety and reliability

Application Markets

- Analog linear output, safe and reliable
- Aerial work platforms, rotary drilling rigs, aerial fire trucks, and other electrical & electro-hydraulic control systems.



Technical Data

机械参数	
Tilting Angle	$\pm 20^\circ$
Operating Force	15-30N
Limit Force	500N
Service Life	Over 5 million cycles
Weight (Base Only)	560g
**Distance from Pivot Point 93 mm	





Electrical Specifications

Analog / Hall Voltage Type	
Supply Voltage	5.0 ± 0.5Vdc
Supply Current	<12 mA per channel
Center Voltage	2.5±0.1V
Output Linear Error	±3%
Max Overvoltage	20Vdc
Max Reverse Voltage	-10Vdc
Load Resistance	>10KΩ
Insulation Resistance	>1000MΩ
Environmental Specifications	
Operating Temperature	-30°C ~ +80°C
Storage Temperature	-40°C ~ +85°C
Protection Rating	IP65 (Above the panel)



**Product Model Coding Rule**

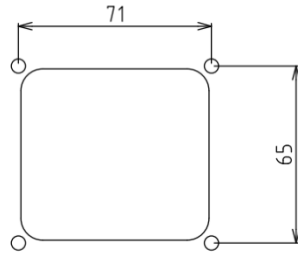
产品型号	D192-①-②-③-④-⑤-⑥-⑦
① Limit	
SS	Single-axis Y-direction operation, spring return
DS	Dual-axis omnidirectional operation, spring return
DP	Dual-axis cross four-way operation, spring return
② Spring Force	
H	15N initial force, 30N full stroke force
③ Mounting Pane	
65	Mounting hole spacing 65*71 mm
④ Handle Top	
HA92	Curved head with enable switch and top rocker button
HA90	Curved head with enable switch, no top rocker button
⑤ Output Type	
H1	Hall type, 5Vdc supply, output 0.5–2.5–4.5V
H2	Hall type, 5Vdc supply, output 1–2.5–4V
2H1	Redundant Hall type, 5Vdc supply, output 0.5–2.5–4.5Vdc
2H2	Redundant Hall type, 5Vdc supply, output 1–2.5–4Vdc
	* Contact our sales team for customized output requirements
⑥ Direction Microswitch	
N	No micro switches
⑦ Cable Exit	
L	Direct cable outlet (AWG24 cable, standard length 500mm) * Custom connectors available upon consultation with sales staff



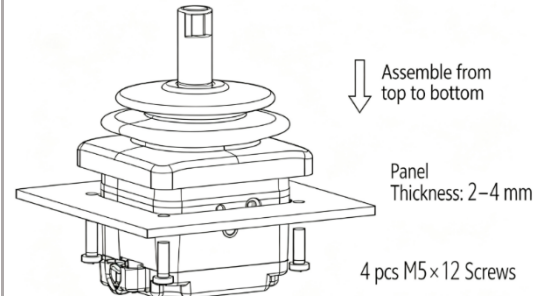


Mounting Panel

65- (Hole spacing 65*71mm)

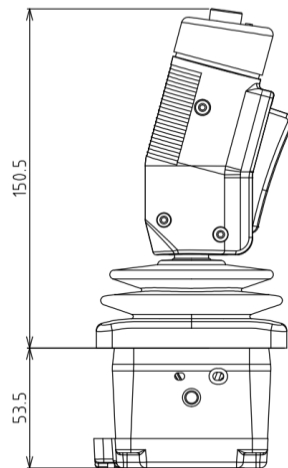


Installation Instructions

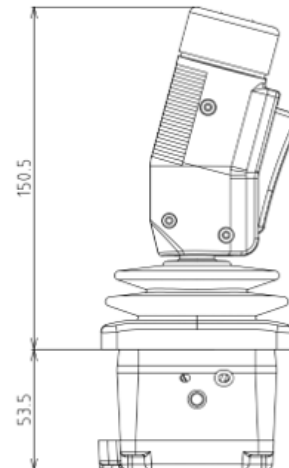


Handle Top Options

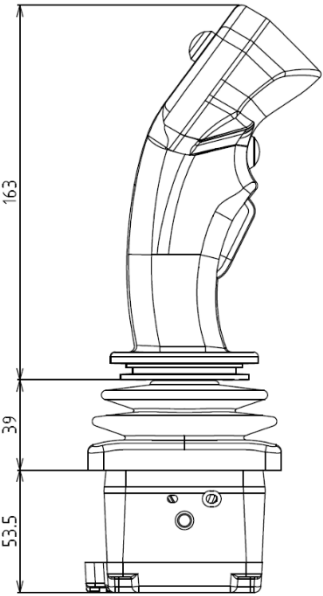
HA92 Top



HA90 Top





KHM1 	
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