



Multi-function Joystick Model

D242

Product Features

- Compact proportional analog output joystick
- Single-axis or dual-axis operation with spring return to center
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Market Application

- Game-handle-style operation feel
- Remote controllers, industrial control boxes, medical equipment Compatible with heavy-duty handle tops



Technical Data

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Tilting Angle	$\pm 20^\circ$
Operating Force	3~7N
Limit Force	100N
Service Life	Over 5 million cycles
Weight (Base Only)	30g
** Distance from Pivot Point 15 mm	





Electrical Parameters

Analog / Hall Voltage Type	
Supply Voltage	5.0 ± 0.5Vdc
Supply Current	<12 mA per channel
Midpoint Voltage	2.5±0.1V
Output Linear Error	±3%
Max Overvoltage	20Vdc
Max Reverse Voltage	-10Vdc
Load Resistance	>10KΩ
Environmental Parameters	
Operating Temperature	-30°C ~ +70°C
Storage Temperature	-40°C ~ +85°C
Protection Rating	IP65 (Above the panel))



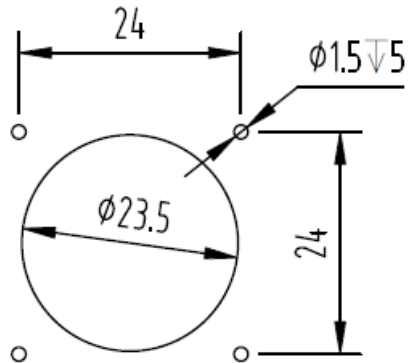
**Product Model Coding Rule**

Model No.	D242-①-②-③-④-⑤-⑥-⑦
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	
L	3N initial force, 7N full stroke force
③ Mounting Panel Size	
24	Mounting hole spacing 24*24 mm
④ Handle Top Style	
TS	Tower-shaped head without buttons
DS	Dish-shaped head without buttons
SS	Seesaw-shaped head without buttons
⑤ Output Type	
H1	Hall type, 5Vdc supply, output 0.5–2.5–4.5V
2H1	Redundant Hall type, 5Vdc supply, output 0.5–2.5–4.5Vdc (for single-axis only)
	*Contact our sales team for customized output requirements
⑥ Direction Microswitch	
N	No micro switches
⑦ Cable Outlet	
T	Connector outlet
L	Direct cable outlet (AWG24 cable, standard length 500mm) *Custom connectors available upon consultation with sales staff

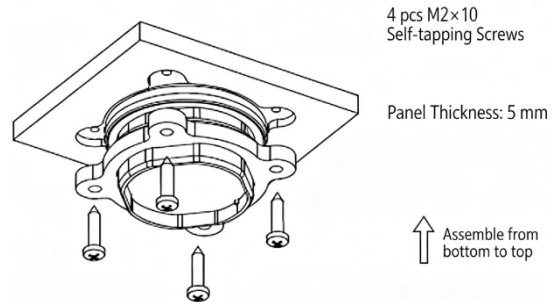


Mounting Panel

24- (Mounting hole pitch 24*24mm)

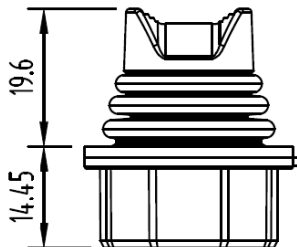


Installation Diagram

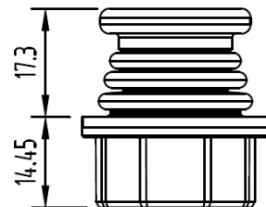


Handle Top Options

TS Top



DS Top



SS Top

