Multi-function Joystick Model T3M

Product Features

- Compact proportional analog output joystick
- Single-axis or dual-axis operation with spring return to center
- Ultra-small size, fingertip control design

Market Application

- Game-handle-style operation feel
- Remote controllers, industrial control boxes, medical equipment, and CCTV monitoring systems

Technical Data

Mechanical Parameters	
Tilting Angle	±20°
Operating Force	5~10N
Limit Force	100N
Service Life	Over 5 million cycles
Weight (Base Only)	50g
** Distance from Pivot Point 40 mm	

Electrical Parameters

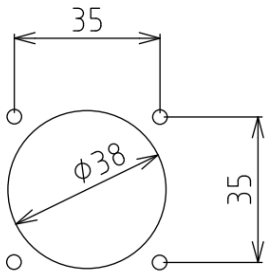
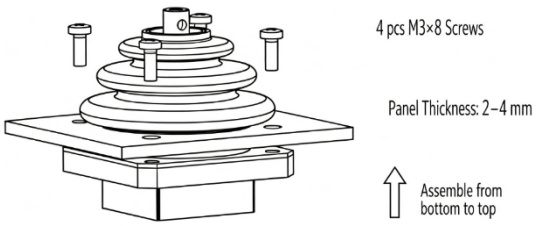
Analog / Hall Voltage Type	
Supply Voltage	5.0 ± 0.5Vdc
Supply Current	<12 mA per channel
Midpoint Voltage	2.5±0.1V
Output Linear Error	±3%
Max Overvoltage	20Vdc
Max Reverse Voltage	-10Vdc
Load Resistance	>10KΩ
Environmental Parameters	
Operating Temperature	-30℃ ~ +70℃
Storage Temperature	-40℃ ~ +85℃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

Product Model Coding Rule

Model No.	T3M-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	5N initial force, 10N full stroke force
③ **Mounting Panel Size**	
35	Mounting hole spacing 35*35 mm
④ **Handle Top Style**	
MN	Round bump head without buttons
BN	Barrel-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)
HS	Hall switch type, outputs on/off signals based on supply voltage (customized 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

35-（Mounting hole pitch 35*35mm）	Installation Diagram
	

Handle Top Options

MN Top	BN Top