



Thumb Joystick

KKSY

Product Features

- Can be used independently or as an accessory for customized panels
- Exquisite compact structure with long service life
- Miniature size, designed for thumb operation

Market Application

- Ideal for expanding joystick functions, perfectly compatible with KHM1 & KHM2 joysticks
- Remote controllers, industrial control boxes, joysticks panels and other equipment



Technical Data

Technical Data	
Tilting Angle	$\pm 20^\circ$
Operating Force	1.8-3N
Limit Force	15N
Service Life	Over 5 million cycles
Weight (Base Only)	4g
** Distance from Pivot Point 12 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 Specifications	
Operating Temperature	-30°C ~ +70°C
Storage Temperature	-40°C ~ +85°C
Protection Class	IP65 (Electronic Components)





Model Selection Guide

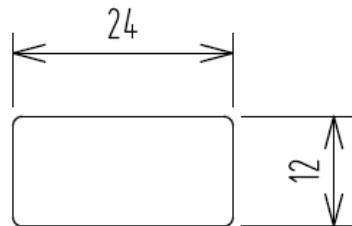
Model No.	KKSY-①-②-③-④-⑤-⑥-⑦
① Limit	
SS	Single-axis Y-direction operation with spring return
② Spring Force	
L	Initial force 1.8 N, full-stroke force 3 N
③ Mounting Pane	
24	Mounting cutout dimension 24*12 mm
④ Handle Top	
CB	Round bump top, no pushbutton
CC	Smooth round top, no pushbutton
⑤ Output Type	
H1	Hall sensor, 5 Vdc supply, output 0.5–2.5–4.5 V
H2	Hall sensor, 5 Vdc supply, output 1–2.5–4 V
2H1	Redundant Hall sensor, 5 Vdc supply, output 0.5–2.5–4.5 Vdc (single-axis only)
	* Contact our sales team for customized special output requirements
⑥ Direction Microswitch	
N	Without micro switches
⑦ Cable Exit	
L	Direct cable outlet, AWG24 wire, standard length 500 mm * Custom connectors available upon consultation with sales staff



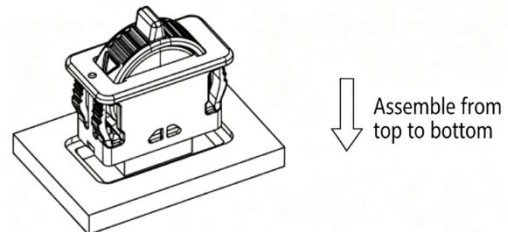


Mounting Panel

24- (Cutout: 24*12 mm)

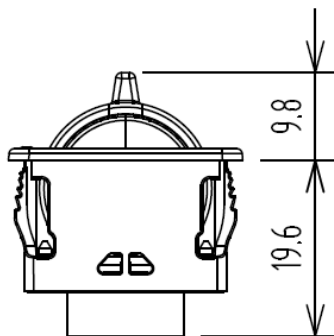


Installation Diagram



Handle Top Options

CB Top



CC Top

