

# RT800 Series Switch Stick Joystick

## Product Features

- Mechanical self-centering operation;
- Single/dual axis, switched output, fingertip size;
- Available with 1 pushbutton (top of grip);
- Bushing or screw mount;
- Durable switch, current up to 250V, 10A;
- Easy to install, flexible operation, uniform texture, maintenance-free;
- CE approved, RoHS 2011/65/EU, Annex II, including (EU) 2015/863 compliant.

## Application

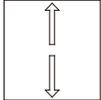
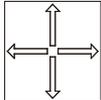
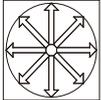
RunnTech 800 series industrial switch stick joystick controller is suitable for control of Electric cars, Electric wheelchairs, Robots, Human-computer Remote video operating systems, Heavy mobile machinery, Measurement systems, Navigation systems, Studio stage lighting equipment, Military equipment, etc.



## Technical Information

Environment Parameter	
Storage Temperature	-30°C...+80°C
Operating Temperature	-25°C...+80°C
Mechanical Parameter	
Mechanical Angle	Potentiometer: $\pm 32^\circ$ , Hall sensor: $\pm 20^\circ$
Operating Torque	5N (50N max)
Mechanical Life	5 million
Electrical Parameter	
Power Supply Voltage	125V 5A, 250V 3A, 250V 10A
Each switch has 3 wiring terminals, including normal open contact and normal close contact.	

### Product Configuration

No.	Item	Content
1	Serial Number	RT800 series switch stick joystick
2	Operation Mode	<b>T</b> - mechanical self-centering operation
3	Limiter Plate	   1. Y axis                      2. Y/X axis cross direction                      3. Y/X axis omnidirectional
4	Quantity of Switch Signal	Refer to Table 4-3 <b>Directional Switch Signal Closed Position</b> only can select 02(89)
5	Common Closed Position	
6	Handle Type	Refer to Table 1-2 Handle: <b>HD2, HD16, HD17 or HD18</b>
7	Remark	

**RT800 - T - 2 - 02 (89) - H16**

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serial number

operation mode

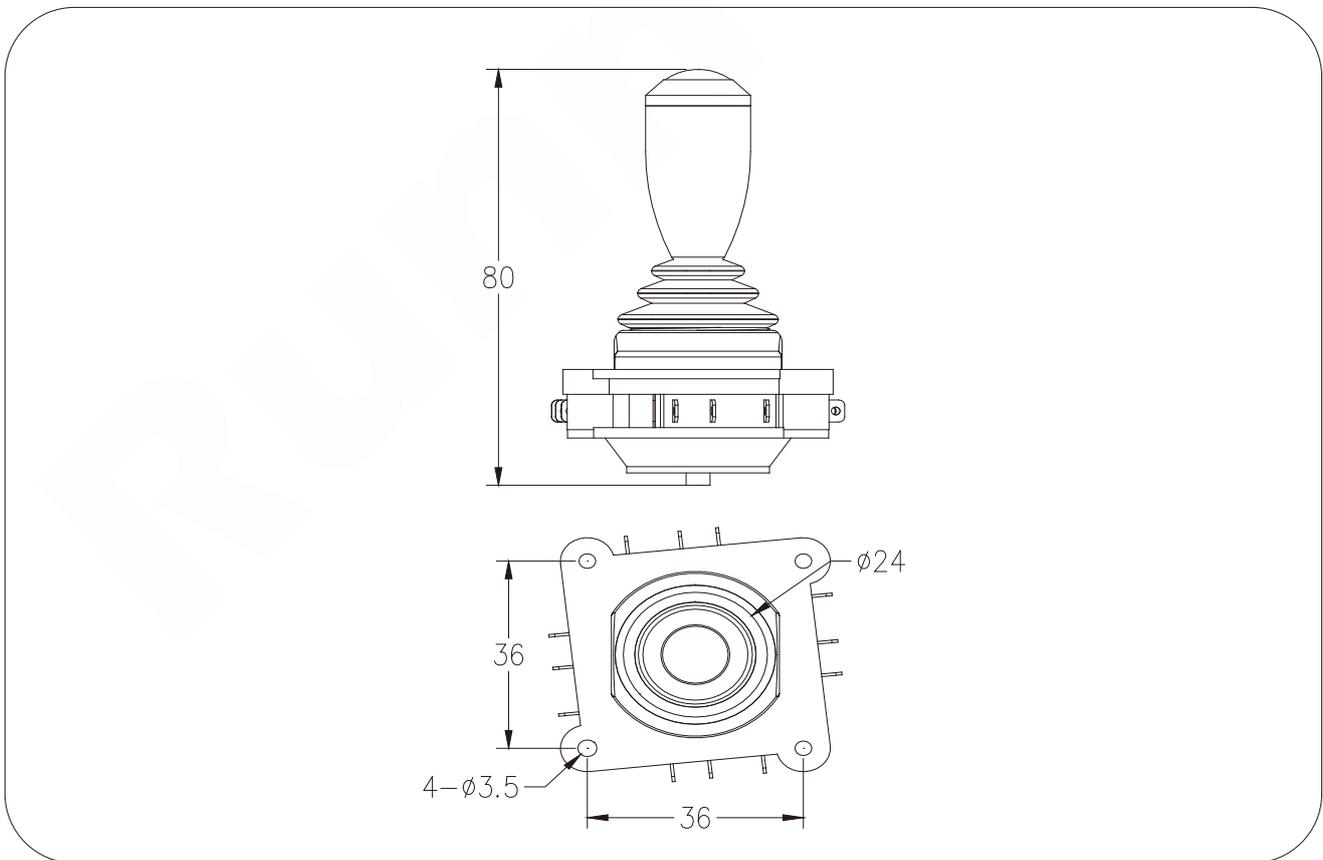
limiter plate

handle/grip type

switch signal closed position

quantity of switch signal

### Product Installation



**Table 1-1 Handle Type**

	Handle	Handle Photo	Accessory	Reference (mm)	Remark
1	HD2		ball shape grip	Diameter 32	
2	HD16			Diameter 15×20	
3	HD17			Diameter 13×35	
4	HD18			Diameter 17×31	
5	HD19		with or without 1 Self-resetting button ( <b>BT1</b> ) or 1 Self-lock button ( <b>BS1</b> )	Diameter 17×31	

**Table 4-3 Directional Switch Signal Closed Position**

