For multi-functional control & with cobra head shaped knob **C90JAN · C90JBN**Potentiometer with a conductive plastic resistive element





This unique cobra head shaped knob can offer you various and complex controls in wide range. Some push-button switches and seesaw type potentiometer, which enables such multi-functional operations, are available.

	【The specs. of pot. and switches used】	1: Specs. of X and Y axes pots (C90JA type: SFCP22E outside mounted) (C90JB type: Special resistance element is exclusively used for C90JB series)
STOP STOP		1) Total resistance value: $10k\Omega \pm 15\%$ 2) Independent linearity: $\pm 3\%$ 3) Electrical rotating angle: $44^{\circ} \pm 5^{\circ}$ 4) Center return accuracy: $50\% \pm 1.5\%$ 5) Power rating: $0.2W$ 6) Life expectancy: Approx. 5,000,000 operations7) Terminal connection diagram
Š		1 1 NOTE (Yellow) → 2(Red) (Green) 1: Only C90JBM model has leadwire terminal. 2: The color of leadwire is shown in parenthesis. 3: AWG26 leadwire is used.
		2: Specs. of Z1 and Z2 axes pots
SC90JAM-4U-46R4GP		1) Model No.: RMP30AF (Rocker switch unit)2) Total resistance value: $10k\Omega\pm15\%$ 3) Independent linearity: $\pm 3\%$ 4) Electrical rotating angle: $30^{\circ}\pm5^{\circ}$ 5) Center return accuracy: $50\%\pm3\%$ 6) Power rating: $0.1W$ 7) Life expectancy: Approx. 2,000,000 operations8) Terminal connection diagram
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Outer dimensions & Opt	tional specs	3: Specs. of push button switch (SW1, 2, 3 and 6)
on cobra shaped knob (Common dimensions for both r C90JBM)	-	1) Operating characteristics: Momentary type (ON when pushed)2) Rating: 50VDC, 0.1A3) Dielectric strength: 1 minute at 1,000V AC4) Insulation resistance: Over 1,000MΩ at 500V DC5) Life expectancy: Approx. 500,000 operations6) Circuit diagram
	(Illumination, Alternate type) 60 Push button switch	SW1(Orange) -o o (Orange) SW6 (SEE NOTE 3) -o -o (Gray) SW2 (White) -o -o -o (White) 1: The color of leadwire is shown in parenthesis. SW3 (Red) -o -o (Red) 3: SW6 is an optional spec.
Push button switch SW1	(Illumination, Alternate type)	4: Specs. of illumination push button switch(SW4 & SW5)
(ON when pushed)	 ⇒ Side operation Push button switch SW2 (ON when pushed) 	 Operating characteristics : Alternate type Rating : 30VDC, 5A Rating for illumination LED : 1.85VDC, 20mA Dielectric strength : 1 minute at 1,000V AC Insulation resistance : Over 200MΩ at 500V DC Life expectancy : Approx. 10,000 operations Circuit diagram
Optional Specs.		SW4 (Green) CÔM NO L+ (Red) LED L (Yellow) LED L (Yellow) LED L (Yellow) 1 : The color of leadwire is shown in parenthesis. 2 : AWG27 leadwire is used. (White) CÔM NO L+ (Red) LED L (Yellow) 2 : AWG27 leadwire is used.
Push button switch SW6	⊕ Side	5: Specs. of trigger switch (SW7)
(ON when pushed)	operation Z axis pot. Z2 pot. (Seesaw pot.) ⊖ Side operation	 Depending characteristics : Momentary type Rating : 30VDC, 100mA Dielectric strength : 1 minute at 600V AC Insulation resistance : Over 100MΩ at 500V DC Life expectancy : Approx. 100,000 operations Circuit diagram
	Optional Specs. Trigger switch SW7	SW7 (Red) (Red) NOTE 1 : The color of leadwire is shown in parenthesis. 2 : AWG27 leadwire is used. 3 : SW7 is an optional spec.
	(ON when pushed) Note : Trigger switch (SW7) is available, instead of push button switch (SW3). (Unit : mm)	6: Others The mechanical performances on X and Y axes are the same as those of standard 90JA/90JB models respectively.