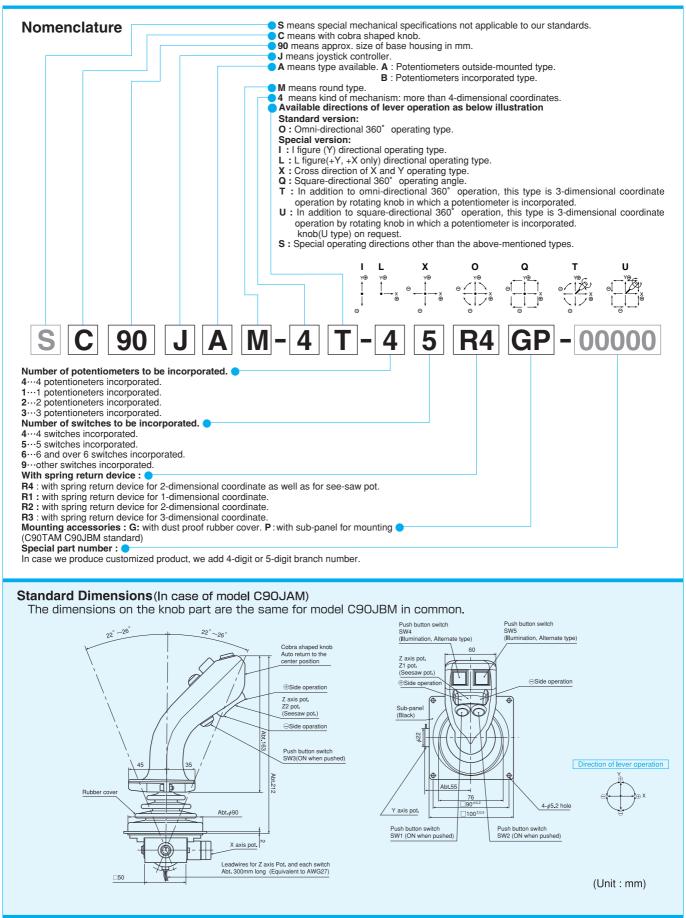
For multi-functional control & with cobra head shaped knob

C90JAM·C90JBM

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)

1) Total resistance value $: 10k\Omega\pm15\%$ 2) Independent linearity $: \pm3\%$ 3) Electrical rotating angle $: 44^{\circ}\pm5^{\circ}$ 4) Center return accuracy $: 50\%\pm1.5\%$ 5) Power rating : 0.2W

6) Life expectancy : Approx. 5,000,000 operations

7) Terminal connection diagram

1 ONTE
(Yellow) 2 (Red) (Green)

3 NOTE
1: Only C90JBM model has leadwire terminal.
2: The color of leadwire is shown in parenthesis.
3: AWG26 leadwire is used.

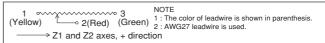
2: Specs. of Z1 and Z2 axes pots..

1) Model No. : RMP30AF (Rocker switch unit)

2) Total resistance value $:10k\Omega\pm15\%$ 3) Independent linearity $:\pm3\%$ 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 operations

8) Terminal connection diagram



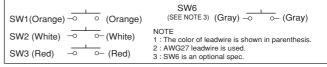
3: Specs. of push button switch (SW1, 2, 3 and 6)

1) Operating characteristics : Momentary type (ON when pushed)

2) Rating : 50VDC, 0.1A

3) Dielectric strength : 1 minute at 1,000 V AC4) Insulation resistance $: \text{Over } 1,000 \text{M}\Omega \text{ at } 500 \text{V DC}$ 5) Life expectancy : Approx. 500,000 operations

6) Circuit diagram



4: Specs. of illumination push button switch(SW4 & SW5)

1) Operating characteristics : Alternate type
2) Rating : 30VDC, 5A
3) Rating for illumination LED : 1.85VDC, 20mA
4) Dielectric strength : 1 minute at 1,000V AC
5) Insulation resistance : Over 200MΩ at 500V DC
6) Life expectancy : Approx. 10,000 operations

7) Circuit diagram

SW4	(Green) (Green) COM NO L + (Red) LED L - (Yellow)	SW5	(White) (White) COM NO L + (Red) LED L − (Yellow)
	·i	NOTE	·i
		1 : The color of leadwire is shown in parenthesis. 2 : AWG27 leadwire is used.	

5: Specs. of trigger switch (SW7)

1) Operating characteristics : Momentary type
2) Rating : 30VDC, 100mA
3) Dielectric strength : 1 minute at 600V AC
4) Insulation resistance : Over 100MΩ at 500V DC
5) Life expectancy : Approx. 100,000 operations

5) Life expectancy6) Circuit diagram

SW7 (Red)-0 0- (Red) 1: The color of leadwire is shown in parenthesis.
2: AWG27 leadwire is used.
3: SW7 is an optional spec.

6: Others

The mechanical performances on X and Y axes are the same as those of standard 90JA/90JB models respectively.

[Outer dimensions & Optional specs. on cobra shaped knob]

(Common dimensions for both model C90JAM and C90JBM)

