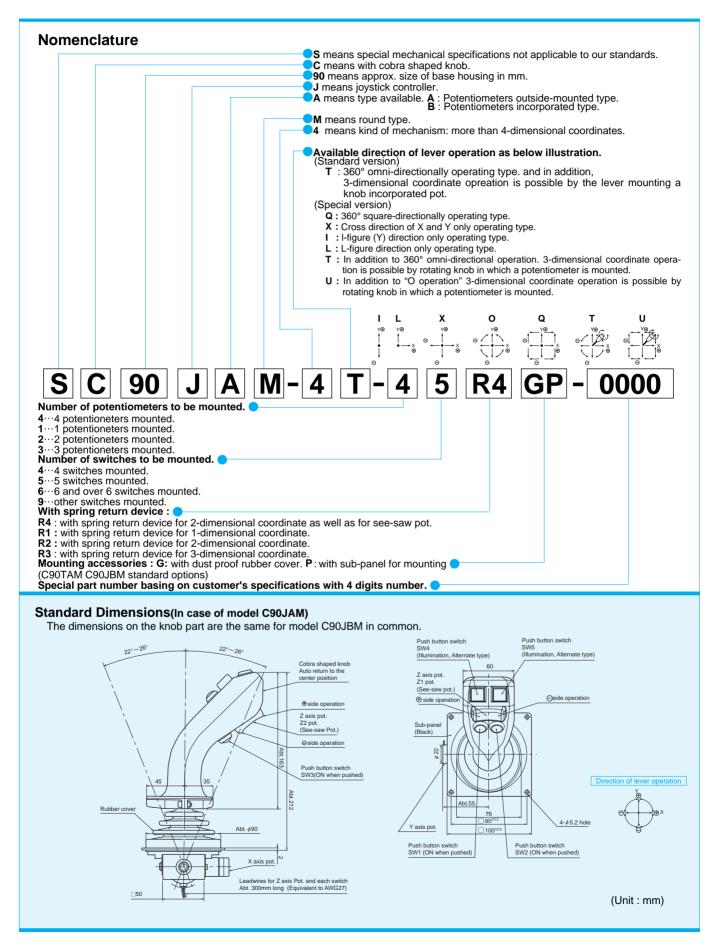
For multi-functional control & with cobra head shaped knob

C90JAM • C90JBM





This unique lever mounted cobra head shaped knob can offer your operations of complex controls in wide range. The cobra head shaped knob incorporates some push-button switches and see-saw type potentiometer, which enables such multi-functional operations.



[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 exclusively used for C90JB

series is incorporated)

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

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

7) Terminal connection diagram

(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.

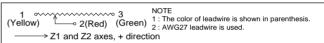
2: Specs. of Z1 and Z2 axes pots..

1) Model No. : SFCP30A (Rocker switch unit)

2) Total resistance value : 10kΩ±15%
3) Independent linearity : ±3%
4) Electrical rotating angle : 30°±5°
5) Center return accuracy : 50%±3%
6) Power rating : 0.2W

7) Life expectancy : Approx. 2,000,000 operations

8) Terminal connection diagram



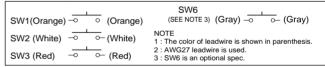
3: Specs. of push button switch (SW1, 2, 3 and 6)

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

2) Rating : 50VDC, 0.1A

3) Dielectric strength
 4) Insulation resistance
 5) Life expectancy
 1 minute at 1,000V AC
 2 Over 1,000MΩ at 500V DC
 3 Approx. 500,000 operations

6) Circuit diagram



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

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

7) Circuit diagram

SW4 CON ND	SW5 (White)	CON ND L + (Red) LED L - (Yellow)
	The color of leadwire is shown in parenthesis. 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

6) Circuit diagram

SW7 (Red) -0 O-(Red) NOTE
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 of models C90JAM and C90JBM)

