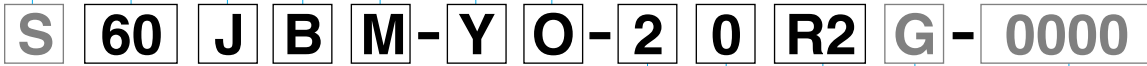
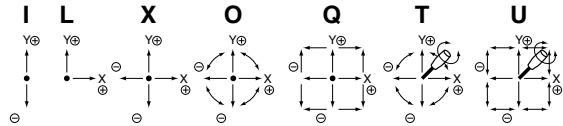


# 60JB

Potentiometer with a conductive plastic resistive element

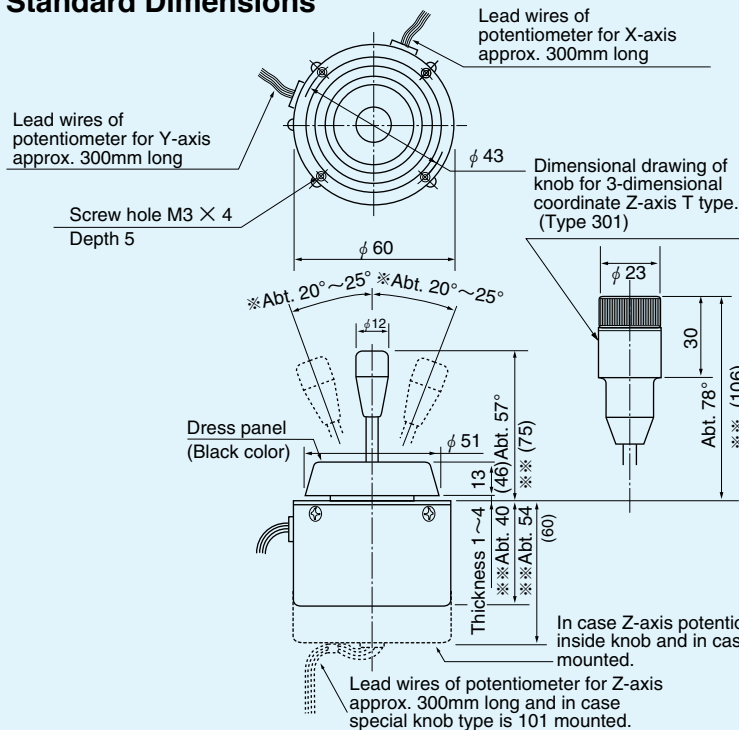
## Nomenclature

- **S** means special mechanical specifications not applicable to our standards.
  - **60** means approx. size of base housing in mm.
  - **J** means joystick controller.
  - **B** means kind of type:
    - **B** : 1,2 or 3-dimensional coordinates is available and also means Potentiometer is incorporated inside the housing.
  - **M** : means round type.
  - **Y** means kind of mechanism:
    - **X** : 1-dimensional coordinate. **Y** : 2-dimensional coordinate.
    - **Z** : 3-dimensional coordinate.
  - **Available directions of lever operation as below illustration**
- Standard version:**  
**O** : Omni-directional 360° operating type
- Special version:**  
**I** : I figure (Y) directional operating type  
**L** : L figure(+Y, +X only) direction operating type  
**X** : Cross direction of X and Y operating type  
**Q** : Square-directionally 360° operating angle  
**T** : In addition to omni-directionally 360° operation, this type is 3-dimensional coordinate operation by rotating knob in which a potentiometer is incorporated.  
**U** : In addition to square-directionally 360° operation, this type is 3-dimensional coordinate operation by rotating knob in which a potentiometer is incorporated.  
**S** : Special operating directions other than the above-mentioned types

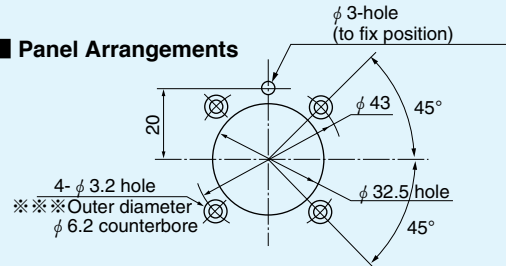


- **Number of potentiometers to be incorporated.**
  - 0...no potentiometer incorporated.
  - 1...1 potentiometer incorporated.
  - 2...2 potentiometers incorporated.
  - 3...3 potentiometers incorporated.
- **Number of switches to be incorporated.**
  - 0...no switch incorporated.
  - 1...1 switch incorporated.
  - 2...2 switches incorporated.
- **With spring return device.**
  - R1** : with spring return device for 1-dimensional coordinate.
  - R2** : with spring return device for 2-dimensional coordinate.
  - R3** : with spring return device for 3-dimensional coordinate.
- **Mounting accessories :** **G** : with dust proof rubber cover. **P** : with sub-panel for mounting.
- **Special part number :**
  - In case we produce customized product, we add 4-digit branch number.

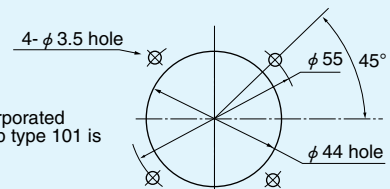
## Standard Dimensions



## Panel Arrangements



- Note :1) In case of type Q and U, the angle of mark "※" becomes square-directionally  $\pm 12^\circ \sim \pm 16^\circ$  from center position.
- 2) In case of dust-proof rubber cover type G-1, panel arrangement is as below. The dimensions with mark "※" shall also be changed to numbers in the parentheses.
- 3) In case of dust-proof rubber cover type G-4, the work of "※※※" part is not necessary.
- 4) 4 pcs. of mounting screws (M3 X 6) are attached.



Panel arrangement in case of dust proof rubber cover type G-1.

(Unit : mm)

