

200FCW

Potentiometer with a conductive plastic resistive element

Nomenclature

S **200** **FCW** - **1** **0** **A** - **00000**

● **S**
S means special mechanical specifications not applicable to our standard.

● **200**
200 means approx. size of base housing in mm.

● **FCW**
FC means Foot Controller,
W means see-saw pedal type.

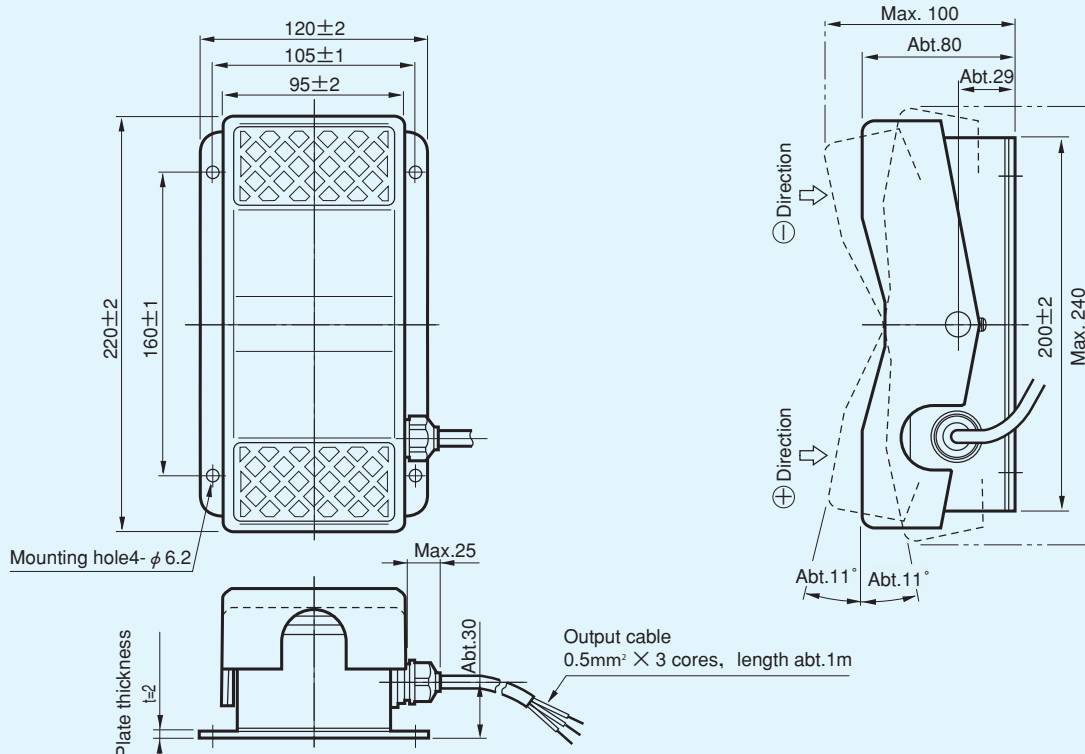
● **Special part number :**
In case we produce customized product, we add 4-digit or 5-digit branch number.

● **0 ① Number of switches to be incorporated (Option).**
0--No switch incorporated.
1--1 switch incorporated.
2--2 switches incorporated.

● **A ② Rating of switch :** A. B. C. ---Code-switch
D. E. F. ---Micro-switch
(For details, please refer to page 56)
G---Other switch

● **1 Number of potentiometers to be incorporated (model SFCP22E)**
0--No potentiometer incorporated.
1--1 potentiometer incorporated.
2--2 potentiometers incorporated (Option).

Standard Dimensions

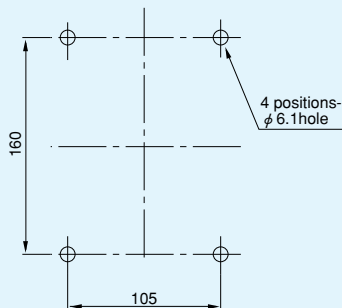


(Unit : mm)



200FCW-10
(Standard)

■ Panel Arrangements



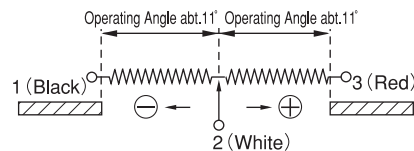
(Unit : mm)

STANDARD SPECIFICATIONS

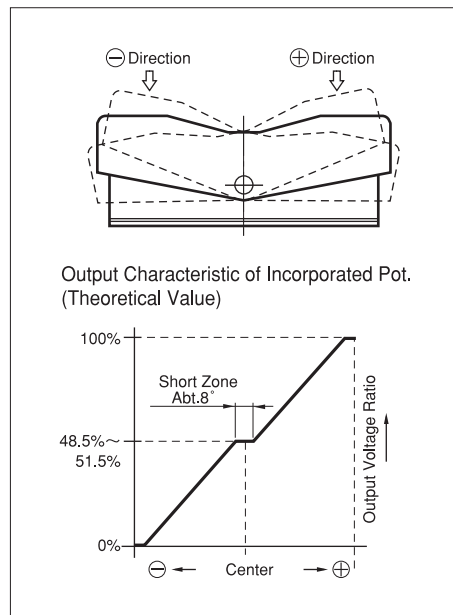
● Mechanical Performance

Operating method : Stepping see-saw pedal type
Operating angle : Approx. $\pm 11^\circ$
Operating force : Standard spring return device: Automatically return to center.
 Abt. 20N (Abt. 2,000gf.)
Operating temperature range : $-20^\circ\text{C} \sim +65^\circ\text{C}$
Vibration : 10~55Hz 98m/s²
Shock : 294m/s²
Life expectancy : Approx. 1,000,000 operations
Mass : Approx. 1.5kg

● Terminal Connection Diagram



● Output Characteristics



● Electrical Performance

Potentiometer incorporated : SFCP22E, 10k Ω $\pm 20\%$, 0.35W, Independent linearity tolerance $\pm 3\%$ (conductive plastic resistive element)
Electrical rotating angle : Approx. 75°
 Center shortened zone : With a shortened zone with abt. 8° (abt. $\pm 4^\circ$) in the center position
Center returning accuracy : $50\% \pm 1.5\%$
Output smoothness : Below 0.2% against input voltage
Contact resistance variation : Below 5% C.R. V.
Resolution : Essentially infinite
Dielectric strength : 1minute at 500V A.C.
Insulation resistance : Over 1,000M Ω at 500V D. C.

● Special Specifications Available

- **With switch incorporated** :
Regarding rating of switch, please see page 56.
If you require the pedal with one switch, unless specified, we supply the pedal with A version switch (code-switch with "ON" operation at about 3° from the beginning of stepping).
- Automatically one-sided return type
- With a center tap on the incorporated pot.

(Model S200FCW-11G)

- IP65 sealing
- 2 ganged potentiometer
- Special resistance value on potentiometer
- An intermediate tap on potentiometer

● Angle of Stepping

