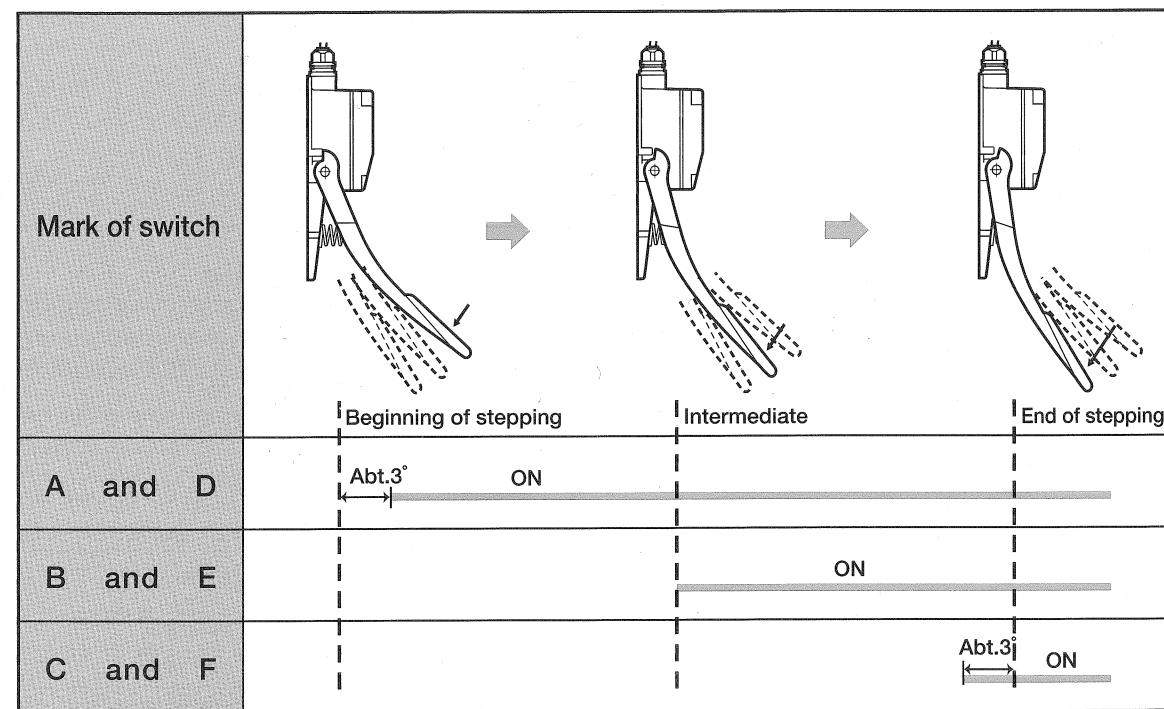


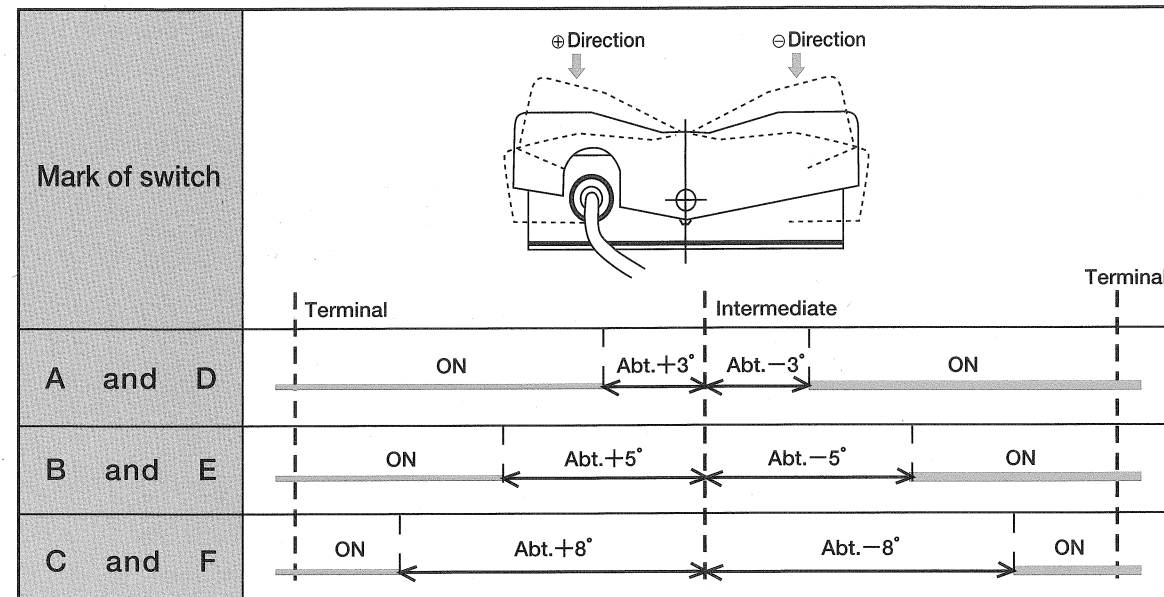
Standard and Special Specifications Available

Rating of Switch

200FCA



200FCW



N.B. : Other ratings of switch are also available, which shows the character of "G" and please ask us for details.
 Mark of switch and specifications
 ★A. B. C. : 12V D. C./1mA (Code-switch)
 Life expectancy : Abt. 2,000,000 operations
 ★D. E. F. : 125V A. C./5A (Micro-switch)
 Life expectancy : Abt. 200,000 operations
 Note 1) : We will supply pedal with A version switch, unless specified.
 2) : It is not available to combine more than 3 patterns from A,B,C or D,E,F.

DEGREES OF PROTECTION

Example : I P 5 4
 The 2nd characteristic numeral:
 Degrees of protection against ingress of water
 The 1st characteristic numeral:
 Degrees of protection against solid foreign objects

The 1st numeral

IP	Degrees of Protection
0	Non-protected
1	Protected against solid foreign objects of 50mm. dia. and greater.
2	Protected against solid foreign objects of 12.5mm. dia. and greater.
3	Protected against solid foreign objects of 2.5mm. dia. and greater.
4	Protected against solid foreign objects of 1.0mm. dia. and greater.
5	Dust-protected
6	Dust-tight

The 2nd numeral

IP	Degrees of Protection
0	Non-protected
1	Protected against vertically falling water drops.
2	protected against vertically falling water drops when enclosure tilted up to 15°.
3	Protected against spraying water. when enclosure tilted up to 60°.
4	Protected against splashing water.
5	Protected against water jets.
6	Preotected against powerful water jets.
7	Protected against the effects of temporary immersion in water.
8	Protected against the effects of continuous immersion in water.

Note: The above table is defined in conformity to the standards of IEC60 529 (1989) and JIS C 0920 (1993).

WARRANTY

When using our joystick controllers and foot controllers under the conditions of over-loaded or deviating from the specified contents of this catalog and our specification sheets, there may be a certain accidents such as broken parts of the unit, generation of excess heat on the apparatuses which may produce fire, disconnection of the circuit and so on.
 So, please do not use such applications in order to avoid any accidents.

We will guarantee all of our joystick controllers and foot controllers for one year after the date of shipment in principle. During this period, as for failures and faults which are attributable to our responsibility, we will repair and adjust them at free of charge. As for failures and faults which are not attributable to our responsibility or which take place after warranty period, we will require payment for actual costs for repair and adjustment plus all shipping charges including actual freightage. Unfortunately, we can not bear any cost for the relative damage caused by the failures of our joystick controllers and foot controllers.

GENERAL NOTES

- This catalog shows all of present standard joystick controllers and foot controllers as of March, 2016. In case you are considering very special Joystic controller or foot controller not listed in this catalog, please consult us and confirm your requested special specifications are possible, enough reliable, safe, and so on, in advance.
- All dimensions used in this catalog are in metric system.
- The figures or values of torque and friction are mentioned under S.I. units (International Systems of Units) and if necessary to use the gravimetric units, please see the figures or values mentioned in the parentheses.
- Please do not scale all drawings given in this catalog because all drawings are arranged for easy to read and layout.
- All numerical values on the table mentioned in this catalog are approximate numerical values.
- All details of this catalog may be subject to change without notice for timely improvements of quality or design.
- Please confirm all specifications and drawings mentioned in this catalog with our authorized selling agents or with our head office directly prior to ordering, if necessary.
- For further information, please contact our head office directly in the following address :

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