

# CDJ900

## Single and Multi-Axis Joystick with High Current Switch Function

The Control Devices CDJ900 series Joystick is available in Single (Forward/Back or Left/Right) or Multi-Axis (North, South, East, West) configurations. The standard model contacts activate at approximately 5° from the centre and up to two contacts per axis can be activated. Multiple contacts can be engaged at the same time (NW, SW, NE, SE). The CDJ900 can be used to control solenoid coils directly, providing that the current rating is within the capability of the switches (see datasheet). Higher current will reduce the life of the switches, so we have designed the CDJ900, so the switches are field replaceable. We have a large number of handle options, please contact Control Devices for further options.

### MECHANICAL

Dimension	See Drawing
Gimble Life	15 Million Operations
Switch Life	Microswitch Characteristics

### ENVIRONMENTAL

Shock	Destruction: 1,000 m/s <sup>2</sup> {approx. 100G} max. Malfunction: 300 m/s <sup>2</sup> {approx. 30G} max.
Vibration	Malfunction: 10 to 55 Hz, 1.5-mm double amplitude
Ingress Protection	IP65 Above panel switches
Operating Temperature Range	-40°C + 85°C
Weight	Approx. 700 g

### MICROSWITCH CHARACTERISTICS

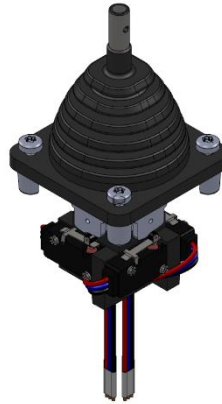
Operating Frequency Mechanical	300 operations/min. max.
Operating Frequency Electrical	30 operations/min. max.
Insulation resistance	100 mΩ min. (at 500 VDC)
Contact resistance (initial value)	100 mΩ max.
Durability Mechanical	10 million operations min. (60 operations/min)
Electrical	100,000 operations min. (30 operations/min)
Degree of protection	IEC IP67
Ambient operating temperature	-40°C to 85°C (at ambient humidity of 60% max.) (with no icing)
Ambient operating humidity	95% max. (for 5°C to 35°C)
Switching capacity @ 30V resistive continuous load current	5A Resistive; 3A Lamp; 4A Inductive



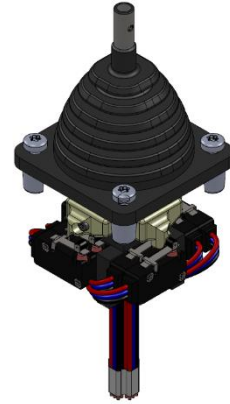
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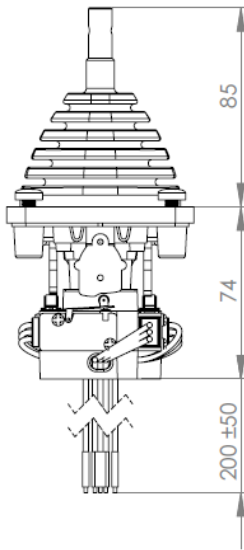
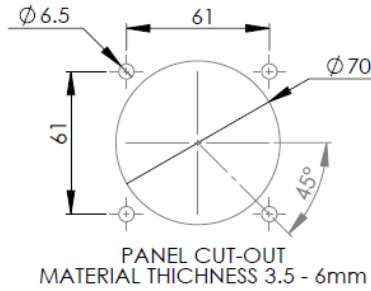
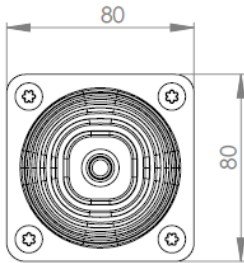
JOYSTICK TYPE (SWITCHED)  
 AXIS X or N (N for None)  
 AXIS Y or N (N for None)  
 CDJ900 - XX - X - XXXXX  
 HANDLE TYPE  
 NUMBER OF OUTPUTS per Axis 1 or 2



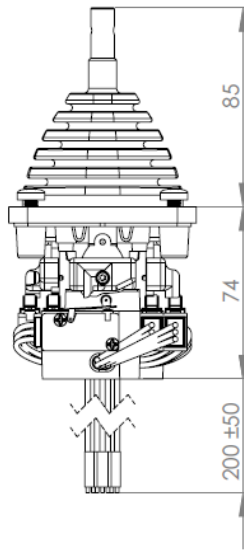
SINGLE OUTPUT



DUAL OUTPUT



SINGLE OUTPUT



DUAL OUTPUT

### HANDLE OPTIONS

HKN Knob



MG Handle



MDG Grip



RD1 Grip



'A' Handle



CDK Knob



DMD Handle



Custom Handles

Contact our sales team for custom options



## DIRECTIONAL JOYSTICK BASE SWITCHES ELECTRICAL DIAGRAM

