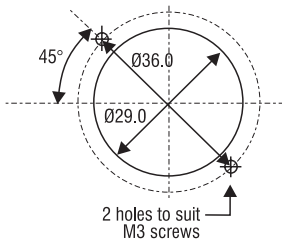
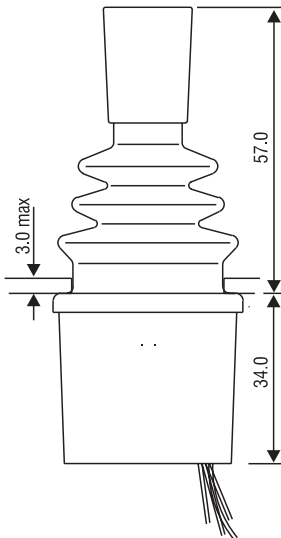
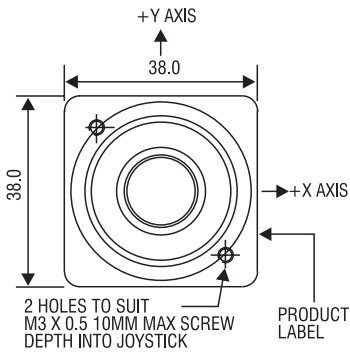


## MULTI-AXIS FINGERTIP JOYSTICK



JCP2Y or JCP2XY



PANEL MOUNTING DETAILS  
All dimensions in mm

Developed for use in those applications where size and weight are paramount, the JCP2 is a compact, low profile joystick that provides proportional finger tip control in up to two axes.

Designed for use with an electronic controller, the conductive plastic tracks in the JCP2 generate analogue reference signals proportional to the distance over

which the handle is moved. A center tap provides an accurate voltage reference for the center position or a zero point for a bipolar supply voltage.

Standing only 54mm high, the JCP2 is less susceptible to unintentional operation. Its minimal operating force makes the JCP2 an ideal unit for the local or remote control of CCTV cameras, robots and cranes.

### Mechanical

Breakout Force	0.8N	50mm above flange
Operating Force	2.5N	Full deflection, 50mm above flange
Maximum Applied Force	19.6N	Full deflection, 50mm above flange
Mechanical Angle of Movement	±20°	
Electrical Angle of Movement	±18°	
Expected Life (operations)	>2 million	
Mass	100g	

### Environmental

Operating Temperature Range	-20°C to +70°C	
Storage Temperature Range	-25°C to +80°C	
Environmental Sealing Above the Flange	IP65	BSEN60529

### Electrical General

Maximum Load Current	See Design Note in rear of Data Sheet	
Maximum Power Dissipation	0.5W at 25°C	
Connector	Flying Leads	300mm long (7 x 0.125 PTFE)

### Analogue Track

Total Track Resistance	5kΩ	Tolerance ±20%
Output Voltage Range	0 to 100%Vs	Tolerance ±1%
Center Tap Voltage (1MΩ Load)	50%Vs	Tolerance ±2%
Center Tap Angle	1.6° either side of center	Maximum

### Order Code

D240449	JCP2Y	(Single axis)
D240448	JCP2XY	(Dual axis)

### Termination Details

Description	Wire Color
X axis positive voltage supply	Orange
X axis center tap	Gray
X axis negative or zero voltage supply	Red
X axis output voltage signal	Yellow
Y axis positive voltage supply	White
Y axis negative or zero voltage supply	Green
Y axis center tap	Brown
Y axis output voltage signal	Black