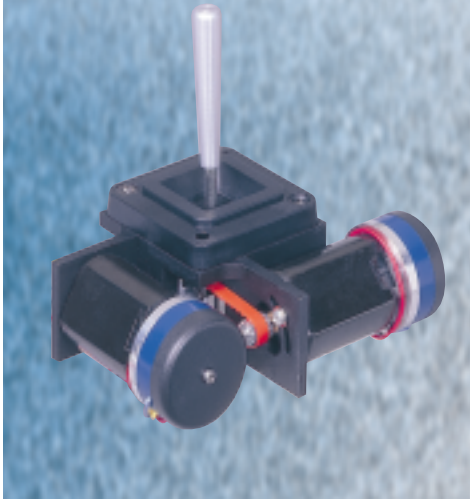


Motorised Joystick Controller



The Penny+Giles Motorised Joystick is designed to operate in two axes, allowing audio, video and lighting console manufacturers to incorporate automated panning control while retaining the desirable ergonomics and 'feel' of manually operated joysticks. Each axis is driven by its own motor onto which are fitted conductive plastic potentiometers that provide the servo feedback.

- extremely robust construction
- two handle options
- rapid response to positional commands

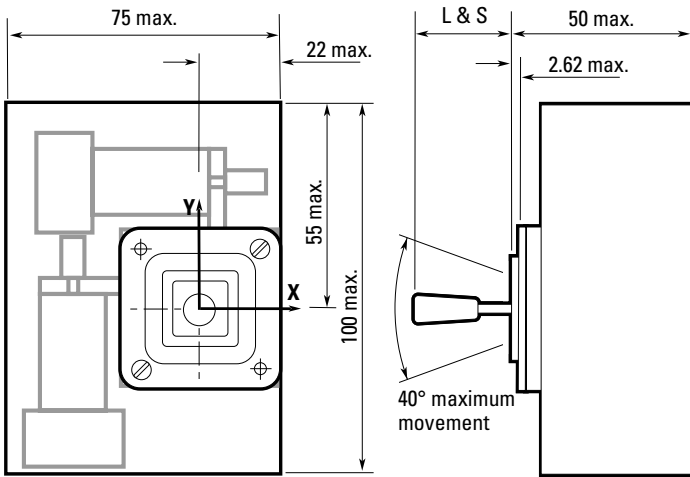
SELECT THE JOYSTICK OPTIONS YOU REQUIRE

Resistance $\pm 20\%$	1k Ω ^B	2.5k Ω ^G	5k Ω ^C
Handle length	23mm ^S	48mm ^L	
Output law	Linear		

Basic data

Number of tracks	2	No load speed	8500 rpm
Wiper current	10mA max.	Continuous current maximum	90mA max.
Insulation resistance	100M Ω at 500Vd.c.		
Motor supply	12Vd.c.		

Dimensions



Output law characteristics

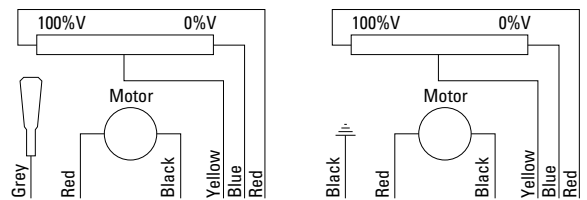
Linear

Linearity $\pm 3\%$ independent

Note: The Servo tracks are longer than the mechanical stroke such that 100%V and 0%V are never obtained.

Angle of travel voltage	% Output
0°	14%
10°	32%
20°	50%
30°	68%
40°	86%

Circuit diagrams/Terminations



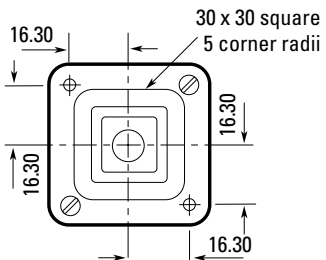
Joystick Displacement +X

X motor Red: +12V
X Motor Black: 0V
Resistance X Pot Yellow -
X Pot Blue: Increasing

Joystick Displacement +Y

Y Motor Red: +12V
Y Motor Black: 0V
Resistance Y Pot Yellow -
Y Pot Blue: Increasing

INSTALLATION SPACE DIAGRAM FOR TOP CAP



Cap shape **Square** ^Q

TO ORDER OR OBTAIN A QUOTATION Please contact your nearest sales office and advise:

The series number and description, resistance and handle length.

For example: • MJCP motorised joystick controller • 2.5k Ω • short handle • square cap Penny+Giles would code this fader as:

Fader type **MJCP** / **G** / **S** / **Q**