JMT PROPORTIONAL MULTI-AXIS HALL EFFECT THUMB JOYSTICK

new

FEATURES

- Mini proportional thumb joystick with ergonomic design for panel mounting.
- High performance hall effect sensor circuitry.
- Suitable for grips, controls panels, armrests or belly boxes.
- Analog voltage outputs, factory pre-set.
- One/two axis gated or 360°.
- 1 million cycle mechanical life.

MECHANICAL SPECIFICATIONS

Type of movement:	single, cross or omnidirectional square type
Travel angle:	23°±2°
Operating force with boot:	2-3 N
Maximum vertical/horizontal load:	200 N / 150 N
Life:	1.000.000 cycles
Case material:	Thermoplastic, black
Boot material:	EPDM - UV proof, black
Operating temperature range:	-40°C / +85°C

ELECTRICAL SPECIFICATIONS

Sensor technology:	Hall effect
Supply Voltage:	ANL = 5 VDC ±5%
Protection:	reversed voltage, overvoltage, short circuit on outputs
Current consumption:	< 20 mA
Output signal ratiometric (ref. to 5.0V):	0.5-4.5V
Output voltage tolerance at center:	< 0.25V
Output voltage tolerance at full travel:	< 0.25V
Sealing (fully potted electronics):	IP69K

ELECTRICAL CONNECTIONS

JMT - L2S - single axis

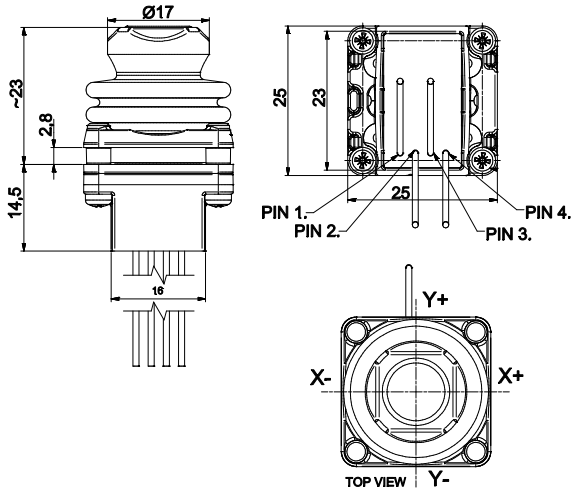
(1) Red: +5 VDC
(2) Black: (-) ground
(3) Yellow: output Y
(4) Blue: not used

JMT - L4C/D - dual axis

(1) Red: +5 VDC
(2) Black: (-) ground
(3) Yellow: output Y
(4) Blue: output X

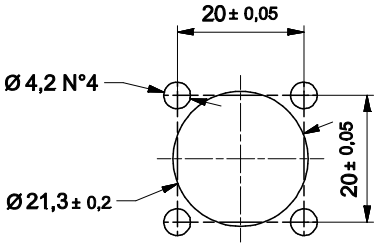
Wires Coloured AWG 24

OVERALL DIMENSIONS

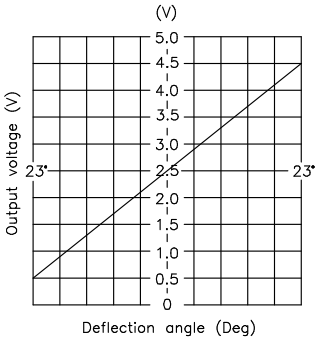


PANEL CUT-OUT

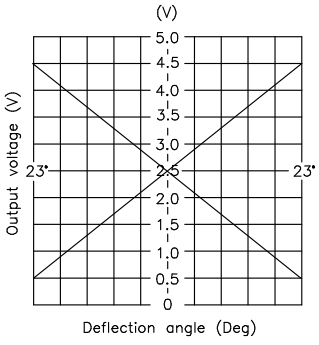
Cutout dimensions
Max panel thickness: 3+/-0.2 mm



OUTPUT SIGNAL CONTROL CHARACTERISTIC



SINGLE OUTPUT



OUTPUTS WITH REDUNDANCY

JMT ORDERING INFORMATION: see page JK8

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