Hall Effect Standard Joysticks Model 1200

Option 2 Model 1200 (2 axis with button)

3D Drawings

STANDARD FEATURES:

- Reliable, non-contacting Hall Effect sensors
- Corrosion resistant stainless steel pivot pins
- Durable rubber boot and sealing gasket
- Industrial quality solid magnets
- Precision centerless ground stainless steel shaft
- Non-binding Teflon™ coated wires

OPTIONAL FEATURES:

- Dual decode
- Center detect
- USB
- Desktop housing

PHYSICAL SPECIFICATIONS:

- Joystick travel: 36° (18° from center)
- Centering: single spring, omnidirectional
- Return to center repeatability: ±1%
- Panel thickness: 0.046 to 0.125in. (1.17 to 3.17mm)
- Housing: high impact glass-filled nylon
- Shaft: 0.25 in (6.35mm) diameter, stainless steel
- Handle: thermoset phenolic (model 1100 ball tip)
- Boot and gasket: thermoplastic rubber
- Operation force: X/Y axes = 2.25N nominal
- Breakout force: X/Y axes = 1.25N nominal
- Weight (2 axis w/ball tip handle) = 0.2 lbs (0.091 kg)
- Weight (3 axis w/one button) = 0.215 lbs (0.098kg)
- Operating temperature: -40°C to 85°C
- Storage temperature: -55°C to 165°C
- Flammability rating: 94HB
- Mechanical MTBF: 3,000,000 cycles under normal use

ELECTRICAL SPECIFICATIONS:

- Supply voltage: Vdd = 5V
- Center voltage: 2.5V (±25mV)
- Supply current (2 axis): 4.8mA min to 11.0mA max
- Supply current (3 axis): 7.2mA min to 16.5mA max
- Resolution: Infinite
- Response: 40-80uSec
- Output current: ±2mA
- Output voltage tolerance: ±2%
- Electrical MTBF: 1,000,000 operational (power on) hours