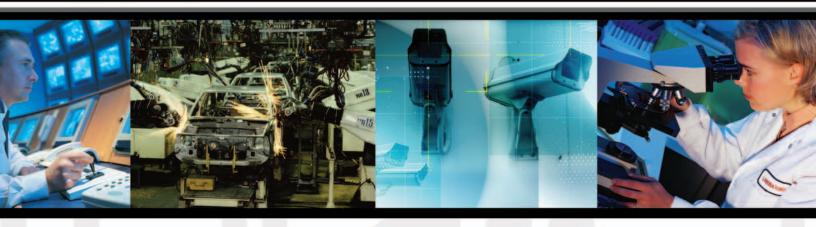
CH Products



Finger Operated HFX Series I Hall Effect Joysticks



Finger Operated HFX Series I Joysticks

The HFX Series I joystick is a contactless, multi-axis controller providing long life fingertip positioning control. A compact, low-profile joystick utilizing non-contact Hall effect technology, the HFX Series I joystick is designed for low operating force, clean environment applications requiring enduring accuracy and precision. Available with several ergonomic handles and in single, dual or triple axis configurations, typical uses include CCTV equipment, robotics, factory automation, electric wheelchairs and medical devices.

Available Models

Model 1100: Two axis

Model 1200: Two axis with buttons

Model 1300: Three axis

Model 1400: Three axis with buttons

Physical Specifications

Joystick travel
 36° (18° from center)

Centering: Single spring, omnidirectional
 Housing: High impact glass-filled nylon

Breakout force: .109 Nm
Operational force: .151 Nm
Maximum force: .169 Nm

• Operating temperature: -40°C to +85°C

• Life cycles: 3,000,000

Electrical Specifications

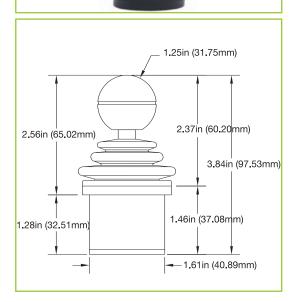
Supply voltage: 5VCenter voltage: 2.5V

Supply current: 6mA max/axisOutput current: 2mA max/axis

Output tolerance: ± 2%

模拟飞行摇杆 进口飞行摇杆 摇杆手柄 CH操纵杆 joystick 进口操纵杆 MODEL HOO

Option O



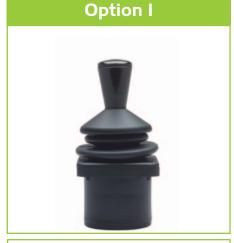
工业操纵杆 CH摇杆说明书 霍尔操纵杆 霍尔型摇杆

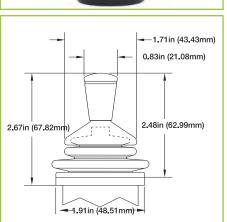
进口摇杆 USB摇杆选型样本pdf资料 MODEL IIOO

CH_PRODUCTS操纵杆说明书 MODEL 1200

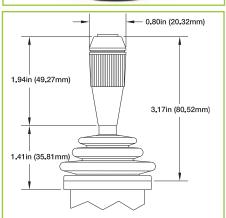
模拟飞行摇杆 进口飞行摇杆 摇杆手柄 CH操纵杆 joystick 进口操纵杆 Model 1300



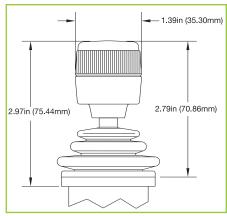






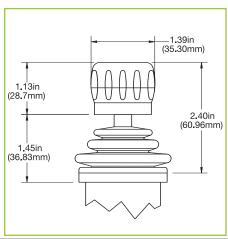






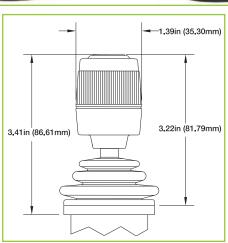
Model 1300





Model 1400





Configuration Options

Sensor Output Options

- 0V to 5.0V
- 0.25V to 4.75V

Optional Features

USB

Universal Serial Bus provides USB 1.1 interface. No driver is needed.

Analog Deadband

Assures return to center voltage.

Center Detect/Fault Detect

Produces an electrical HI signal when stick is moved off center and produces an electrical LO signal if the sensor output voltage deviates from range (<0.5V or >4.5V).

Dual Decode

Provides center detect function and monitors dual sensors. If the sum and the difference of the sensor outputs vary by more than 9%, the circuit becomes electrically LO. Requires dual sensors.

Joyball

Cursor emulation available with USB or Sun.

Voltage Regulator

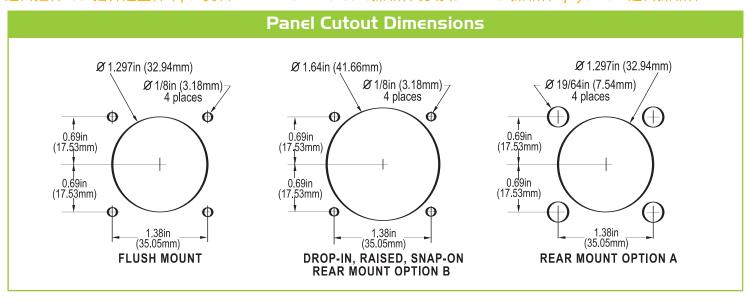
Used when input or output voltage is greater than 5V or when bipolar output is required. Contact factory for available configurations.

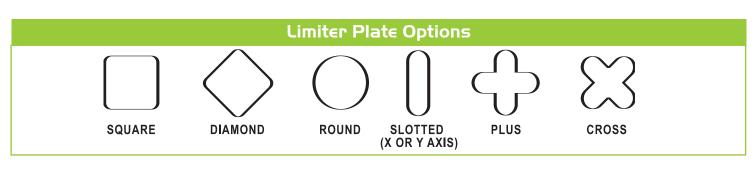
Centering Plate

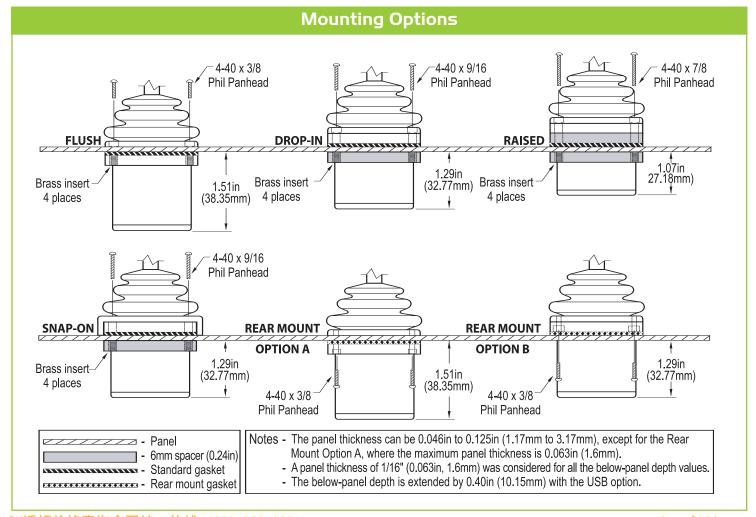
Increases mechanical return to center and repeatability.

Friction Clutch

The joystick does not mechanically return to center, maintains present position.







进口摇杆 USB摇杆选型样本pdf资料

CH Products



Finger Operated HFX Series I Hall Effect Joysticks

Typical Applications

CCTV Camera Control

Remote Control

Robotic Systems

Factory Automation

Simple Machine Control

Automated Conveyor Systems

Medical Devices

Optical Devices

Targeting Systems

Electric Wheelchairs

Military Robotics

Unmanned Vehicle Control

Electron Microscopes





