

# JOYSTICK SELECTION GUIDE

## THUMB CONTROLS

### TS series

- Hall effect technology
- Many different handle & mounting options
- One or two axis
- Pushbutton, LED & USB options
- Fully sealed up to IP67 & IP69K



### FR series

- Hall effect technology
- 3 position, on-off-on analog output
- 3 million lifecycles
- Sealed up to IP67



### HS series

- 5-way switching w/ center pushbutton option
- Mom-off-mom
- Tactile feedback
- Connectorized housing
- Fully sealed to IP67



### CW series

- Hall effect technology
- Miniature design
- Single axis
- Spring return to center
- 3 million lifecycles



### TW series

- Hall effect technology
- Single axis
- Spring return to center
- 5 million lifecycles
- Electronics sealed up to IP67



### HR series

- 5 million lifecycles (w/o detents)
- Electronics sealed to IP68
- Backlighting option
- EMI/RFI shielding
- Detent & friction hold options available



### NV series

- 4 or 5-direction switching
- Sealed up to IP69K
- Compact and low profile
- Positive tactile feedback
- Actuator shape & color options



## FINGERTIP

### HF series

- Hall effect technology
- Up to three axis
- Sealed up to IP67
- CAN bus, CANopen & USB options
- 5 million lifecycles



### 3000 series

- Hall effect technology
- <20mm below panel
- Robust design
- Up to three axis
- Up to 10 million lifecycles



### PC series

- Analog or USB
- Optional IP65 sealing
- Proportional control
- Custom configured to order
- Lightweight, one hand operation



### BH / BL series

- Hall effect technology
- Single axis
- Sealed up to IP67
- 10 million lifecycles
- Two lever heights with custom color & design options



### BF / BD series

- Hall effect technology
- Single axis
- Sealed up to IP67
- Spring & detent lever options
- Two lever heights



### M series

- Potentiometer technology
- Friction centering option
- 17 handle options
- Up to three axis
- Shallow mounting



### 8000 series

- Switching technology
- Robust design
- One or two axis
- Optional center detect
- Up to 1AMP operation



### 1000 series

- Switching technology
- Single or double pole
- One or two axis
- V3 or V4 switches
- Bush or screw mount option



### 1000HE series

- Switching technology
- One or two axis
- Switches up to 10A
- Sealed up to IP67
- Single or double pole



### NZ series

- Switching technology
- Ultra compact
- Two axis toggle design
- Panel sealed up to IP67
- 11.9 bush mounting



### 4000 series

- Potentiometer technology
- Metal mechanism
- Up to 3 axis
- Open or closed body
- Above panel sealed up to IP65



### SN series

- Hall effect technology
- 12 bit resolution
- Single axis
- Friction centering
- Ball race bearings





# JOYSTICK SELECTION GUIDE

## HAND GRIP

### XD series

- Hall effect technology
- SIL 2 compatible
- SAE CAN bus J1939-71
- 10 million lifecycles
- Compact at 60mm below panel



### FG series

- Custom configured
- Fixed Grip™ style
- TS series options
- USB outputs
- Operator presence paddle option for oval handle



### MS series

- Hall effect technology
- Several handle options
- Up to three axis
- Redundant outputs
- CAN bus J1939 & USB output options



### HJ series

- Hall effect technology
- Rugged all metal gimble
- Up to three axis
- 5 million lifecycles
- CAN bus J1939, CANopen & USB output options



### TH series

- Hall effect technology
- Single axis
- Friction positioning
- Mechanical detents
- CAN bus J1939 & USB output options



### CJ series

- Hall effect technology
- One & two axis
- CAN bus J1939 & USB output options
- Operator presence paddle option



### AG series

- Hall effect technology
- Agriculture style
- Customizable faceplate
- CAN bus J1939, CANopen & analog output options



## USB CONTROLS

### IP Desktop

- Hall effect technology
- Three axis
- Twelve pushbuttons
- Standard USB interface
- Windows "game controller"



### RS series

- Hall effect technology
- 12 bit resolution
- Three axis
- Six tactile pushbuttons
- Standard USB interface



### VM Desktop

- Hall effect technology
- Three axis
- Jog / shuttle dial
- 27 pushbuttons
- Standard USB interface



### IPD Ultima

- Hall effect technology
- Three axis
- 10 LED pushbuttons
- 2 buttons on joystick
- Standard USB interface



### MJ & FJ Desktop

- Black & gray color options
- Analog output available
- Standard USB interface
- Customizable



## TRACKBALLS

### DT225 trackball

- Ergonomic desktop design
- 2.25" diameter Thermoset phenolic ball
- USB outputs



### LP150 series trackball

- 1.50" ball diameter ball in black or backlit illumination
- Panel mount design
- USB 2.0 protocol
- Additional button strips available



### R200 series trackball

- Removable bezel with 2.00" diameter ball
- Stainless steel shafts & bearings
- Optional illumination & pushbuttons



### P200 series trackball

- 2.00" ball diameter ball
- Panel mount design
- USB 2.0 protocol
- Additional button strips available

