

Hall Effect

Overview

Proportional Output Devices

Pushbutton Switches

Designated as the **HP7** and **HPL** series; these momentary action devices utilise Hall Effect sensor technology for long life contactless switching, with up to 10 million cycles. Available in dust tight, moisture proof sealed configurations, or optional IP68S.

- 10 million cycles
- Stylish dome-shaped buttons in 9 colours
- Momentary action
- Choice of termination styles
- RoHS/WEEE/Reach compliant

Linear Output Switches

The **HPL** switch utilises Hall Effect technology to provide an output proportional to the travel of the button. Delivering up to 10 million cycles, this is an ideal control device for valves and variable speed drives and can be used in industrial control, heavy equipment and material handling applications.

- Programmable outputs of 0.5 to 4.5 volts
- 10 million cycles
- Hall effect for reliable switching
- Front or behind panel mounting
- Rocker version available

Thumbwheels

The **HTW** series is a spring-return-to-centre, single axis thumbwheel with an actuator that provides linear change in voltage output in either direction from centre.

- Various output options
- 3 million rotational cycles
- Electronics sealed to IP68S
- Excellent EMI/RFI immunity
- RoHS/WEEE/Reach compliant

Also available as return to end **HTWE**, with paddle or knurled wheel, plus friction hold **HTWF** switch and a mini series of the above.

Rocker & Paddle Switches

The **HFNR** is a compact 3 position Hall Effect forward/neutral/reverse rocker switch and proportional **U2**.

HPW paddle and lever style switches also available.

- Designed for grip, armrest & panel mounting
- Up to 3 million cycles
- Proven contactless technology
- Excellent EMI/RFI immunity
- RoHS/WEEE/Reach compliant



HP7 & HPL - Pushbutton



HTW - Thumbwheels



HFNR & HPW - Rocker and Paddle

Hall Effect Overview

Joysticks and Footpedals



JH & JHM - Joysticks

Joysticks

The **JH** series 'Hall Effect' joystick is designed around the rugged mechanism of a traditional 2 and 4 way hydraulic joystick, with non-contacting Hall Effect technology for increased life and performance in the field. Medium size **JHM** also available.

- Armrest and panel mount styles
- Adapts to a wide variety of shaft styles
- up to 15 million cycles
- Up to 300 lbs. static load strength
- EMI/RFI shielding up to 100V/M
- CANopen®, CAN J1939, USB, Serial & analogue output configurations available.
- Factory programmable pre-travel & over-travel
- Single, dual & Z axis available
- Switches sealed to IP68S
- RoHS/WEEE/Reach compliant

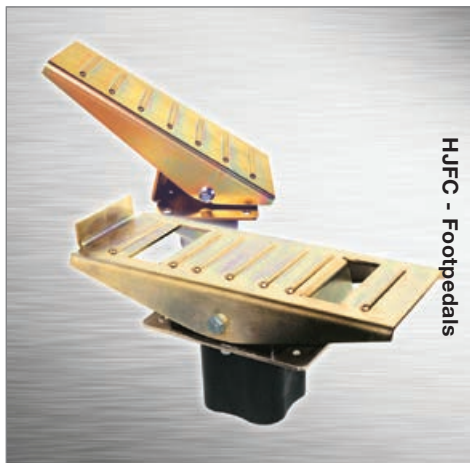


JHT & HTL - Mini & Toggles

Mini Joysticks & Finger Joysticks

The **JHT** series offers a compact design, where space is limited and precision control is required, tested to 5 million cycles. The **HTL** series finger joystick provides all the performance of a full size, dual axis joystick in a miniature package that can be mounted in control handles, armrests and panels.

- Available in various axis configurations
- 'Z' axis available on JHT models
- Switches sealed to IP68S
- Switches provide excellent EMI/RFI shielding
- RoHS/WEEE/Reach compliant



HJFC - Footpedals

Footpedals

The **HJFC** series footpedal is built to perform under the worst possible conditions. The unique design places Hall Effect sensors and electronics behind a solid plastic diaphragm that separates top and bottom halves of the foot pedal, sealing the electronics in an IP68S rated enclosure. Available in J1939 and CANopen® formats.

- Life expectancy of 9 million life cycle
- Outstanding EMI/RFI immunity
- Heavy gauge corrosion resistant metal
- Programmable pre-travel & over-travel
- RoHS/WEEE/Reach compliant

For more information on this extensive range of Hall effect switches, or for assistance with your specific requirements, please contact us.