



40 Cedar Street -- Tillsonburg Ontario -- 1(800)265-2656

## **IQAN-LC5-X05 Input Devices Electronic Control Systems**

### Application

The IQAN-LC5-X05 is a large, coordinate joystick that incorporates ruggedness, functionality, light weight with high flexibility for mobile market applications. The unit is extremely robust, able to withstand aggressive conditions during outdoor use and in outdoor installations, including EMI, vibrations and a wide temperature range. The IQAN-LC5-X05 features a compact ergonomic design making it ideal for armrest and panel installations in mobile equipment. Fourth generation ICL4 type joysticks are easily replaced with the IQAN-LC5-X05.



### Design and Function

The mechanical life is greatly increased over previous generations of joysticks. Full stroke force "one time loading" in any direction is  $>100$  Nm. The torsional strength has more than doubled, compared to the previous generation.

The IQAN-LC5-X05 is designed for outdoor use. The housing is rated IP65 above the flange, and has an integrated Deutsch transportation connector. The handle cable may be routed completely through the main, non-corrosive housing. This makes field mounting of new handles or replacing a bellow very easy to accomplish. In case of water ingress (i.e. a damaged bellow), the built-in drainage from this design will protect the electronics.

All proportional output signals are of contactless Hall effect type with dual sensors to provide redundancy for high safety and reliability. This make it easy for the application designer to meet high safety requirements functions by using IQAN software. The primary signal for each axis is 10%-90% of supply voltage. The corresponding secondary signal is 90%-10% of supply voltage.



The joystick has a heavy duty stem and tough base material for long life. The precise force configuration makes it easy to feel X and Y direction.

The IQAN-LC5-X05 is made using selected components and conforms to strict international requirements.



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## P1A Series Pneumatic Cylinders

The Parker P1A series of pneumatic cylinders are intended for use in a wide range of applications in different industries including packaging, automotive, and textile.

Hygienic design, the use of corrosion-resistant materials and the initial lubrication with our food-grade grease makes the cylinders suitable for food industry applications.

Proven design and high quality manufacturing throughout ensure long service life and optimum performance.

Mounting dimensions are in accordance with ISO 6432 and CETOP RP52P. This greatly simplifies installation and world-wide interchangeability with common competitors such as Festo, Bosch and SMC.

If you have any questions please contact your Customer Service Representative.



## MPS-3 Switches

The MPS-3 series of vacuum or pressure switch offers excellent flexibility in sensing.

It's available with two PNP or NPN outputs, an M8 or prewired connection. The display can be set to show red or green for below or at pressure indication, making it visible from a distance.

The switch has two variable set points allowing the user to set a high limit and a low limit which will trigger output signals.

It's programmable and flexible and can be used with an FRL or a vacuum generator.

It can be set to display Bar, PSI, mmHg, kPa, inHg, kgf/cm<sup>2</sup>, -bar, -kPa.

If you have any questions please contact your Customer Service Representative.

