

Precision Engineering and Versatility: An Overview of Switch Manufacturer Lorlin Electronics

This article explores Lorlin's core standard switch lineups, their robust custom engineering capabilities, and what makes them a trusted name across multiple industries.

UK-based [Lorlin Electronics](#) has been a cornerstone of electromechanical component manufacturing since 1961. Renowned globally for their reliability and durability with 100% testing, **Lorlin** switches, supplied in USA by Saelig Co. Inc., are fixtures in professional audio gear, industrial controls, household appliances, and test instrumentation worldwide.



Core Standard Switch Lineups Lorlin produces a diverse range of low-power rotary switches, binary-coded variants, and keylock systems. Their catalog is designed to accommodate various mounting types, indexing angles, and electrical demands.

- **CK Series Rotary Switches:** The flagship low-power rotary switch series available in both metric and imperial sizing options with solder or PCB terminals. They can be configured with mechanical stops or as continuous rotation switches. Typical indexing angles include 30°, 60°, and 90°.
- **BCK Series (Binary Coded Rotary Switches):** Engineered for digital applications, the BCK series provides hexadecimal and complementary outputs utilizing a 22.5° indexing angle. Like the CK series, they support continuous rotation or stop configurations.
- **PT & Multibank Series:** Designed for multi-level circuit control, these multi-bank PCB rotary switches allow for simultaneous low-level switching (such as complex channel selection). They feature standard 30° indexing, with 36°, 60°, and 90° options available.
- **Keylock Switches:** Secure switching options utilized in contexts requiring restricted access, control panels, and safety-critical equipment.

Tailored and Custom Switch Solutions Beyond standard components, Lorlin is heavily sought after for its ability to speedily modify products or design custom solutions from the ground up if you need a special switch for your product.

1. Rapid Prototyping and 3D CAD Modeling For engineers with unique or specialized conceptual requirements, Lorlin develops dedicated 3D CAD models by leveraging modern rapid prototyping materials to produce physical working samples quickly.

2. Flexible Tooling and Design Modifications Lorlin builds its manufacturing tooling to support modular options. This design philosophy allows the company to implement custom modifications—such as specialized spindle lengths, custom indexing angles, or unique contact materials—without incurring long project delays.

3. Special Material & Contact Options To meet stringent environmental and performance standards, custom configurations often include:

- **UL-V0 Rated Materials:** High flammability-resistance plastics mandated for modern household appliances and commercial electronics.
- **Contact Enhancements:** Gold plating or gold flash contacts to optimize performance in low-level signal circuits or corrosive environments.
- **Specialized Torque and Feel:** Tailored turning force profiles, prized particularly by high-end audio equipment manufacturers looking for a smoother, premium tactile feel.

Rigorous Quality and Testing Standards Because switches are often the mechanical interface point that determines the lifespan of an entire device, **Lorlin** subjects its components to strict internal evaluations. Every product undergoes 100% testing, backed by an extensive library of historical endurance data.

Lorlin's standard and custom evaluation procedures test for:

- Electrical and mechanical endurance
- Environmental sealing efficacy
- Impact resistance
- Breakdown torque limits

Lorlin's quality systems are certified to BS EN ISO 9001 and many of their components carry specific international electrical approval marks.

Summary Whether pulling from their off-the-shelf CK and BCK series or commissioning a fully customized rotary switch variant with specialized spindles and materials, designers rely on **Lorlin Electronics** for a blend of legacy craftsmanship and agile custom manufacturing. **Lorlin** products are available in USA from their technical distributor Saelig Co. Inc. www.saelig.com