



## CIT Relays and Switches In Gaming Equipment

Electromechanical switches and relays play important roles in gaming equipment, desktop computers, and peripheral devices, though their use has evolved over time with the rise of solid-state electronics. Here's a breakdown of their key applications in each area:

---

### Electromechanical Switches

Electromechanical switches are manually or mechanically activated components that open or close electrical circuits. In gaming and computing, they're primarily valued for tactile feedback, reliability, and durability.

#### 1. Gaming Equipment

- **Mechanical Keyboards:**
  - Use individual electromechanical switches for each key.
  - Provide tactile/audible feedback preferred by gamers for responsiveness and accuracy.
- **Arcade Machines & Pinball Games:**
  - Use microswitches for joysticks and buttons, allowing rapid-fire and high-precision input.
- **Game Controllers:**
  - Traditional buttons and triggers often rely on small tactile or microswitches for consistent actuation and feedback.

#### 2. Desktop Computers

- **Power & Reset Buttons:**
  - Use durable tactile or pushbutton switches for user interaction.
- **Mechanical Keyboards:**
  - As above, widely used in gaming and enthusiast desktops for precision and feel.

#### 3. Peripheral Equipment

- **Mice:**
  - Use microswitches under left/right buttons for fast, reliable clicks (rated for millions of actuations).
- **Printers & Scanners:**



- Limit switches detect the position of paper or moving components.
- **Headphones/Headsets:**
  - May include push-button switches for volume or mute controls.

## **Electromechanical Relays**

Relays are used to control high-power or high-voltage devices with a low-power signal. They're less common in modern consumer electronics due to miniaturization and the use of solid-state alternatives, but they still appear in specific applications.

### **1. Gaming Equipment**

- **Arcade Machines:**
  - Electromechanical relays might be used in legacy or custom-built machines for controlling lighting, motors, or coin mechanisms.
- **Pinball Machines:**
  - Traditional systems used relays extensively to control scoring, lighting, and solenoids.

### **2. Desktop Computers**

- **Power Management (Legacy/Industrial PCs):**
  - Relays may be used in industrial computers or custom setups for switching high-voltage peripherals or backup systems.

### **3. Peripheral Equipment**

- **UPS (Uninterruptible Power Supplies):**
  - Relays switch between utility power and battery power.
- **High-End Audio Equipment:**
  - Signal relays manage routing and protection circuits.

### **CIT Switches used in Gaming Equipment:**

- [Anti-Vandal Switches](#)
- [Snap-Action Switches](#)
- [Toggle Switches](#)

### **CIT Relays used in Gaming Equipment:**

- [J107F Series](#)
- [J114 Series](#)



- [J115F1 Series](#)
- [PCS34 Series](#)
- [PCS41 Series](#)