

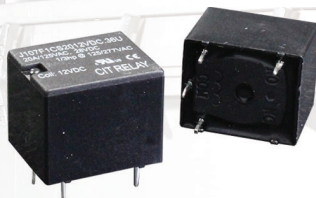
## Fluid Control relays & switches

Relays and switches are essential components in fluid control systems, playing crucial roles in managing and regulating the flow, pressure, and level of fluids in various applications. These system can be found in industries such as water treatment, chemical processing, HVAC, and more.



**J104D Series**

The J104D Series relay offers bifurcated contacts for high reliability with high sensitivity. Contacts rated at 2A. Conforming to FCC Part 68, this PC pin mounted relay offers 2C contact arrangement with coil voltage ranging from 3VDC up to 48VDC with coil power options of .15W, .20W, .36W or .45W. Dimensions are 20.4 x 10.5 x 11.0mm. UL Agency approval is E197851.



**J107F Series**

F Class insulation is standard on the J107F Series relay. Light-weight and small in size, the J107F Series is PC pin mountable with contact arrangement options of 1A, 1B, or 1C. Coil voltage ranges from 3VDC up to 48VDC with coil power options of .36W, .45W or .80W. The dimensions of the UL-approved relay are 19.0 x 15.5 x 15.3mm. UL Agency approval is E197851.



**J115F1 Series**

The J115F1 Series relay offers heavy contact load with 30 to 50 amp versions. Also available in panel mount this PC pin mounted UL relay offers 1A, 1B or 1C contact arrangement with coil voltage ranging from 5VDC up to 277VAC with DC coil power of .60W or .90W and AC coil power of .2VA. Dimensions are 31.7 x 26.9 x 20.3mm. This UL-approved relay is available with or without a dust cover. Agency approval is UL E197852 and TUV-certified.



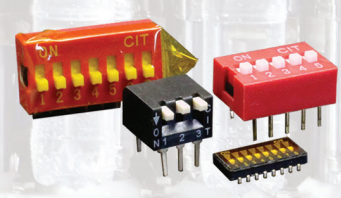
**Snap Action Switches**

Frequently known as a micro switch, a snap-action switch is an electromechanical switch that is actuated by very little physical force, through the use of a tipping point mechanism. Snap-action micro switches can open and close an electrical circuit at a rapid speed, triggered by an external force. Offering two sizes, miniature and sub-miniature, we will soon have an ultra sub-miniature version available, contact factory. Sealed versions are available.



**Tactile Switches**

Tact switches are small in size and are used to close an electrical circuit. Usually used as an ON/OFF switch, our tact switches are available in sealed and unsealed, and through-hole and surface mount termination for placement on PCB Boards with a large variety of sizes, actuation gram force and actuator lengths. Available with lighted, sealed, thru-hole, right angle and surface mount terminal options and a multitude of choices in cap styles, many of which are available with and without LED hole and several optional frames. Bi-color choices make endless the combinations and applications. Non-lighted versions are also available with multiple cap and frame color combinations.



**DIP Switches**

CIT Relay & Switch offers the low cost K Series family of DIP switches. Offering both extended and recessed actuators, the K Series standard, half pitch, right angle, and low profile DIP switches are available in through-hole, Gull Wing and J Lead termination. Positions range from 01 to 12. Most of the K Series family are compatible with SMT assembly and infrared reflow & automatic wave soldering. Packaging options include tape and reel or tube. Top tape seal is offered with the recessed actuators.



RA Series

The RA Series rocker switch offers an illuminated option with a choice of SPST or SPDT. Multiple switch function options are available with terminal options of quick connect/solder lug, PC pins, right angle PC pins or left angle PC pins. The versatile RA series panel mount rocker switch offers multiple housing color, actuator color and actuator marking color choices.



RC Series

The RC Series rocker switch offers an illuminated option with a choice of SPST or DPST. Multiple latching options are available with terminal options of quick connect/solder lug, PC pins, right angle PC pins or left angle PC pins. Switch function is Off-On. The versatile RC series offers multiple housing color, actuator color, including colored transparent, and actuator marking color choices.

## CIT Relay & Switch validation test lab

CIT Relay & Switch has a sophisticated test lab for failure analysis and material testing, helping our customers solve their toughest problems. Our aim is to establish long-lasting relationships with our customers by providing comprehensive technical expertise using our state-of-the-art test lab. Providing accurate and concise solutions, we give our customers the best explanation about how their components perform.

CIT's primary focus is on engineering design, IQC, extensive validation testing, correlated customer relay life test featuring Wieble curve documenttion at the CIT Technology Laboratory, bonded stock inventory, UL, cUL, TUV certification, raw material control, IPC continuity control and review.

The CIT IQC Test Lab, in coordination with the CIT Technology Lab, ensures documented reliability. In-coming products are tested including x-ray plating validation of contact material, continuity resistance, dielectric strength, solderability and other parameters. CIT maintains warehousing in Hong Kong and Minnesota to meet customer on-time delivery and freight cost requirements. Bonded stock, consignment, and other specialty logistical support programs have been developed to insure maximum customer satisfaction.

CIT Technical Engineering support is readily available. Application support is moments away. Technical expertise on plastics, metallurgy, contact material recommendation, in-rush protection, molding, process issues, sealing issues, vibration, temperature withstanding, gram force, silicone phenomena, dry circuit application issues, epoxy to contact adherence and many more questions can be asked and answered by email or phone. We're here to help!



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CIT Relay & Switch manufactures a broad array of RoHS compliant electromechanical automotive, telecom, security, industrial and HVAC relays and switches. Thank you for giving CIT Relay & Switch the opportunity to demonstrate why so many are joining our growing list of satisfied customers — customers who have come to rely on the service and quality provided by CIT Relay & Switch.

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