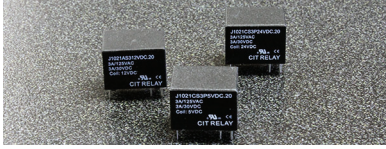


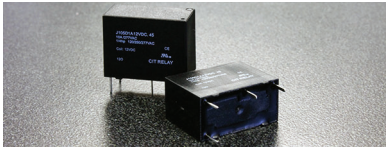
Fire & Security *relays & switches*

Relays and switches are highly used in the fire and security control equipment market. CIT Relay & Switch has a wide variety of relays and switches to suit these products and can customize as needed.



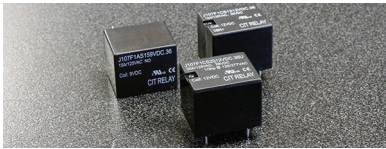
J102 Series

The J102 Series relay offers high sensitivity in a super light-weight package. With PC pin mounting, the J102 Series is ideal for high density mounting with dimensions of 15.5 x 10.5 x 11.25mm. Contact arrangement options are 1A, 1B, or 1C. Relay coil voltage choices range from 3VDC up to 24VDC with coil power options of .20W, .36W or .45W. UL Agency approval for this UL Agency approved relay is E197851.



J105D Series

With switching capacity up to 10A, the J105D Series relay offers a small, light-weight package. This small relay features low coil power consumption with high contact load, contact arrangement is 1A or 1C with voltage options from 3VDC up to 24VDC. Coil Power options are .20W or .45W. The J105D Series dimensions are 20.59 x 10.15 x 15.75mm. 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.



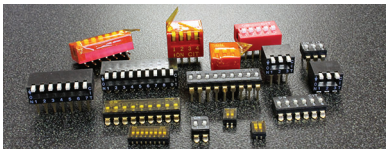
Snap-Action Switches

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

CIT Relay & Switch offers tactile switches with lighted, sealed, thru-hole, right angle and surface mount terminal options with a multitude of choices in cap styles, many of which are available with and without LED hole and several optional frames. Our extremely versatile tact switches provide design engineers with several LED color choices. Bi-color choices make endless the combinations and applications for these popular switches. 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 rotary DIP switches with increased automation. 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. Explore our selection of dual in-line package switches, including coded rotary DIPs, .100 Pitch DIPs, and much more.



Anti-Vandal Switches

With sealing degree of IP65, CIT Relay & Switch Vandal-Resistant Switches are available in a variety of sizes from 12mm FH & GH Series up to the 40mm DH Series. Also available with UL approval in our AHU and DH22U Series, our IP65 switches offer both ring and dot illumination and non-illuminated options. Choose the EH Series anti-vandal switch for a rounded convex actuator or the AH, BH, CH or DH Series for a flat actuator. Choices of body and actuator color include stainless steel, nickel and anodized aluminum in black, red, yellow, green or blue. Our versatile vandal resistant switches provide design engineers with several LED color choices. Bi-color choices make endless the combinations and applications for these popular anti-vandal push button switches.



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!

Contact a CIT Application Engineer to validate product suitability for your application with real-time live testing backed with data.

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.



14680 James Road
Rogers, MN 55374 USA
763.535.2339
sales@citrelay.com