

railway relays & switches

current applications

- ♦ railway communications
- ♦ railway lighting
- ♦ railcar construction

Relay and switches are commonly used in railway applications. From controls and communication to rail cars, CIT Relay & Switch has a wide variety of relays and switches to suit these wide ranging applications.



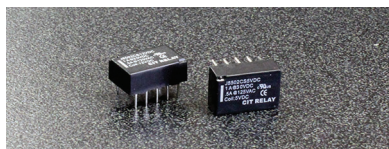
J151 Series

The J151 Series is an ice cube style relay with switching capacity up to 20A. With low coil power consumption and high contact load, the J151 Series has strong resistance to shock and vibration. Contact arrangements include 1A, 2A, 3A, 4A, 1B, 2B, 3B, 4B, 1C, 2C, 3C, and 4C. Coil voltage ranges from 12VDC up to 240VAC with DC coil power options of .90W, 1.4W or 1.5W and AC coil power options of 1.2VA, 2.0VA or 2.5VA. The J151 offers PC pin or solder lug mounting options. Dimensions are dependent upon style choice with a flange option. UL Agency approval is E197852.



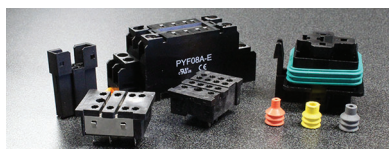
J152 Series

The J152 Series is an ice cube relay with switching capacity up to 10A. With low coil power consumption and high contact load, the J152 Series 10A switching relay has strong resistance to shock and vibration. Contact arrangements include 2A, 3A, 4A, 2B, 3B, 4B, 2C, 3C, and 4C. Coil voltage ranges from 12VDC up to 220VAC with DC coil power of .90W and AC coil power of 1.2VA. The J152 offers PC pin or solder lug mounting options. Dimensions are dependent upon style choice with a flange option. UL Agency approval is E197851.



J850 Series

The J850 Series relay is an ultra-low profile, monostable relay, with contact arrangement of 2C and coil voltage ranging from 3VDC up to 24VDC and coil power of 0.14W or 0.20W. The compact size 14.0 x 9.0 x 4.9mm. Also available in a surface mount package, the J850 and surface mount J850SM is UL / cUL certified.



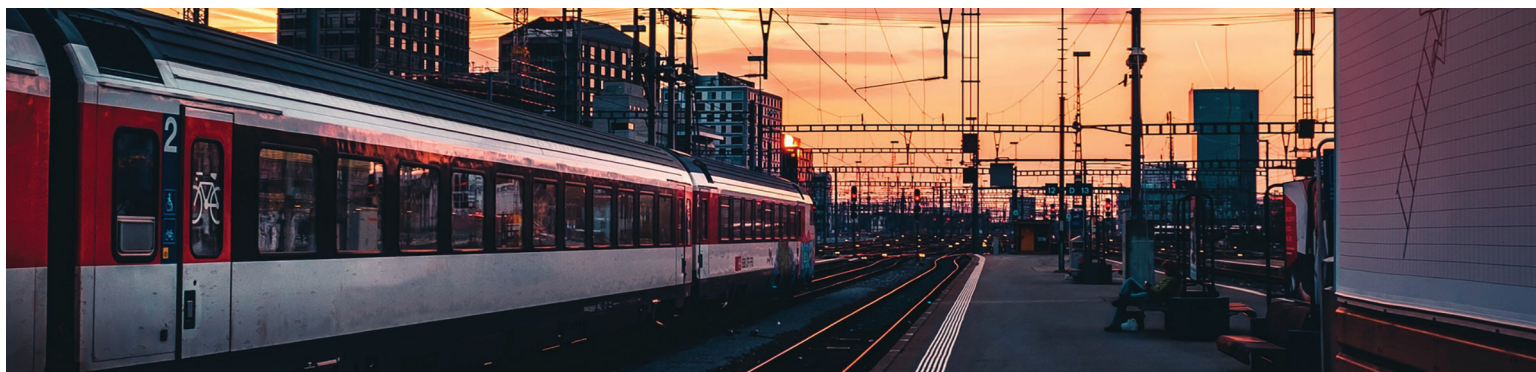
Sockets

CIT Relay & Switch offers relay sockets for a large number of automotive and UL approved relays. For use in both PC Pin and Panel Mount & Wire assembly. Din Rail Mountable and Finger Safe DIN Rail Mountable are also available.



Pushbutton Switches

The miniature ANP Series and the sub-miniature BNP Series are ideal for use in railway control applications. Typically used to close or open an electric circuit when pushed, the CIT family of push button switches offers micro, miniature, small and subminiature sizes with sealed, through-hole, right angle, and surface mount switch terminal options with a multitude of choices in cap styles. Our versatile illuminated push button switches provide several LED color choices. Bi-color LED choices make endless the combinations and applications for these popular 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.



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