

Food & Beverage switches & relays

current applications

- lighting controls
- water heaters
- dishwashers
- thermostats
- beverage dispensers
- exhaust hoods
- commercial grills
- refrigeration
- ranges
- ovens
- HVAC systems

The food and beverage industry includes companies involved in processing raw food materials, packaging and distribution. With the latest automation and technology advanced, demand has risen dramatically in switch and relay content. With the continuous improvements in customer interfaces, automation and increased functionality, CIT has the broadest offering and is at the forefront of new designs in the market space.



IP67 Tactile Switches

The ME Series is an IP67 process sealed tactile switch offering both through-hole and surface mount options with a 350gF actuation force. With actuator and housing of PA6T Polymide and silver plated stainless steel dome contact, the ME Series uses a silicon rubber internal seal providing truly sealed, one piece construction. Actuator color is standard black; contact factory for additional color options.



Anti-Vandal Switches

CIT Relay & Switch offers a broad-line of IP67 anti-vandal switches. Also known as vandal-resistant or vandal-proof, our electromechanical switches are designed to withstand abuse from nature and/or attempts to damage them. With sealing degree of IP67, our 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 IP67 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 switches.



Process Sealed Tactile Switches

Process sealed switches offer dust tight housing with protection against splashing water, low pressure water jets or temporary immersion up to 1 meter. CIT Relay & Switch offers a large number of process switches with lighted options and sealing degree reaching up to IP67. Also available with some Series are protective splash proof boots. See individual series to determine sealing degree.



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. CIT offers three different sizes of snap-actions switches and one IP67 process sealed version. All version of these versatile switches offer numerous actuator and gram force options. The VM3, VM3S, SM3 & DM3 Series offered by CIT Relay & Switch are all UL / cUL certified.



Ice Cube Style

Ice cube style relays offer switching capacity up to 10A or 20A, depending upon the series chosen. With low coil power consumption and high contact load, the J151 Series and the J152 Series have 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.

J107F1 Series

Up to 20 amps and 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. Dimensions are 19.0 x 15.5 x 15.3mm. UL Agency approval is E197851.

J107E3 Series

Up to 20 amps and 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. Dimensions are 19.0 x 15.5 x 15.3mm. UL Agency approval is E197851.

J115F1, F2 & F3 Series

J115F1, F2 & F3 Series relays offer heavy contact load up to 50A in a light-weight and small package size. These PC pin mounted relays offer 1A, 1B or 1C contact arrangement with coil voltage ranging from 5VDC up to 277VAC with coil power of .60W, .90W or 1.5W, and AC coil power of .2VA. Dimensions are dependent upon the series chosen and offer with or without a dust cover. UL Agency approval is E197852 and TÜV certification.



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



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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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