

Industrial Relays & Components

Priority business measures

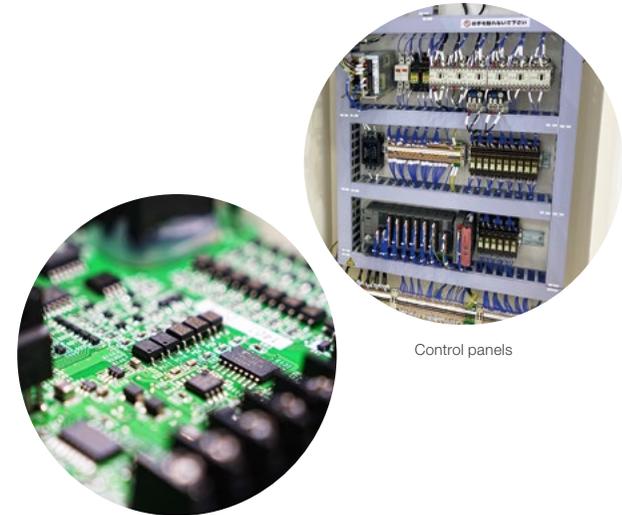
1 Offering a full line-up of products to help customers overcome challenges

The term industrial relay & components collectively refers to various electrical components incorporated into control panels/units used to operate and control machinery and production lines. They are used for a wide range of applications, including automated warehouses, industrial machinery, and semiconductor manufacturing equipment, and so on.

Responding to ever-growing needs for “smarter” facilities and equipment, space-saving, and quality stabilization, IDEC adds new technologies to control panel components to provide operator-friendly production environments offering greater efficiency and convenience. This is another way that we help customers find solutions to various challenges.

2 Broadening lineup of PCB-mounted components that are smaller and require less wiring and labor

Decentralization of control units is increasingly being used as a solution for two challenges concerning control panels/units—shrinking their size and reducing the development/assembly workload. The control units can be cut out from the large control panels and made into blocks to achieve greater usability and enhance the value chain from development and production to sales and maintenance. There is thus an accelerating trend to make control units into printed circuit boards (PCBs) for greater utility. Also, demand for PCB-mounted components is likely to grow with the emergence of new apparatus that set new norms, and with the rising number of components that leverage IoT technology. IDEC has been developing, manufacturing, and selling PCB-mounted components such as industrial relays, terminal blocks, and circuit protectors. We will continue to focus on launching new products in the market.



PCB-mounted components

Control panels

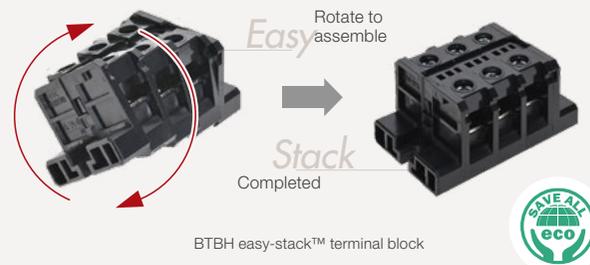
Push-in products enabling well-being at manufacturing sites

Using spring-loaded technology: Push-in products, which can be easily wired by simply plugging in the terminals, can reduce wiring work and achieve stable quality compared to screw products. This provides benefits that reform how work is done at manufacturing sites, including prevention of errors by less experienced workers and reduction of overtime work.



Various push-in products

Snap-in type enables visual/aural confirmation of wiring connection



New surface-mounted terminal block that leverages our mechanical technology

We have launched a revolutionary terminal block that customers can easily assemble without installation tools. This unique design allows terminal blocks to easily be stacked and assembled by rotating them. This helps users to reduce workload, as they can flexibly accommodate sudden changes in specs and perform maintenance. Since shaft screws are not used to connect the terminal blocks, the design reduces the number of parts involved, an advantage that also helps to protect the environment.



The Suzhou factory mainly manufactures RJ series industrial relays, which are in high demand in the Chinese market. We have streamlined production by adopting automated assembly machines in 2017 and by overhauling our parts supply system to optimize inventory. We added more automated assembly machines in FY2023, and plan to install a line of labor-saving machines in FY2024.

We will continue endeavoring to stabilize quality and costs and to shorten delivery times so that we can more reliably serve customer needs.