IDEC

Think Automation and beyond...

Control & Automation Products

IDEC CORPORATION

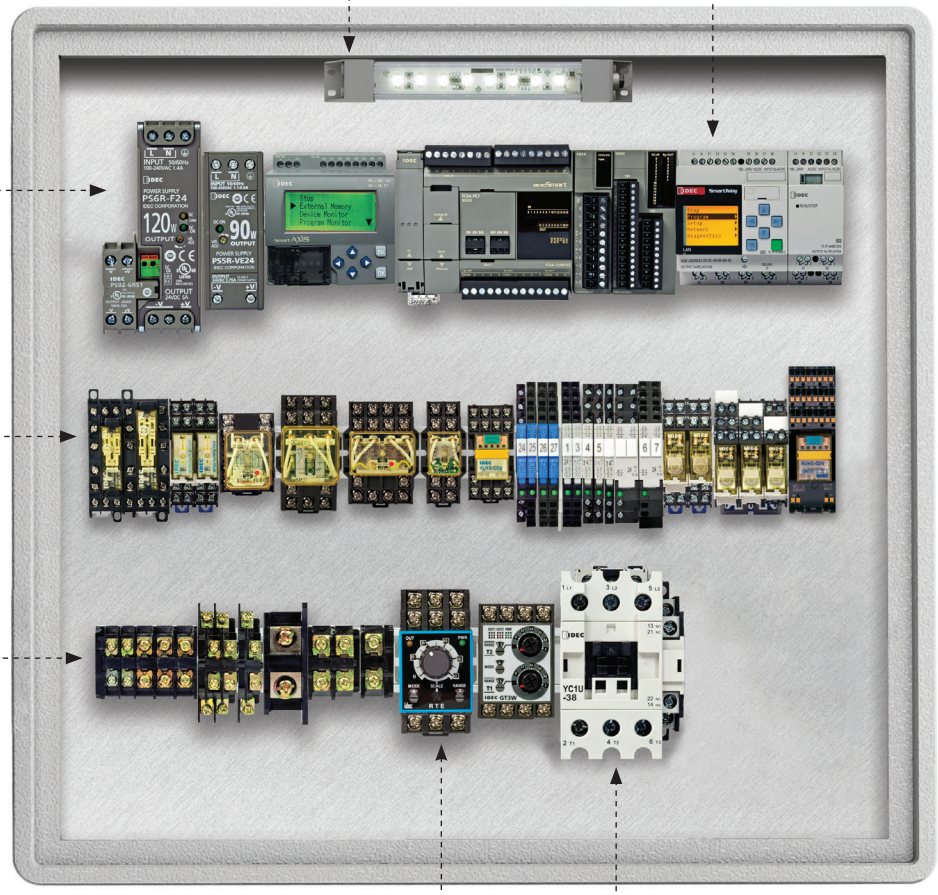
Whether it is inside your panel. . .

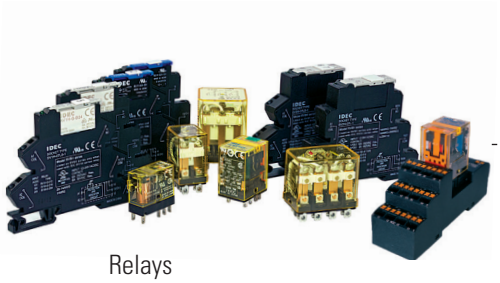
Barriers

LED Machine Lighting

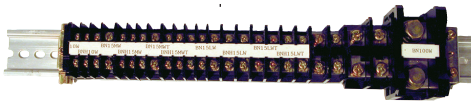
Programmable Logic Controllers

Power Supplies





Relays



Terminal Blocks

Timers

Contactors & Motor Starters

Signaling Lights

HMIs

Smart RFID Reader

HMI + PLC

Emergency Stops

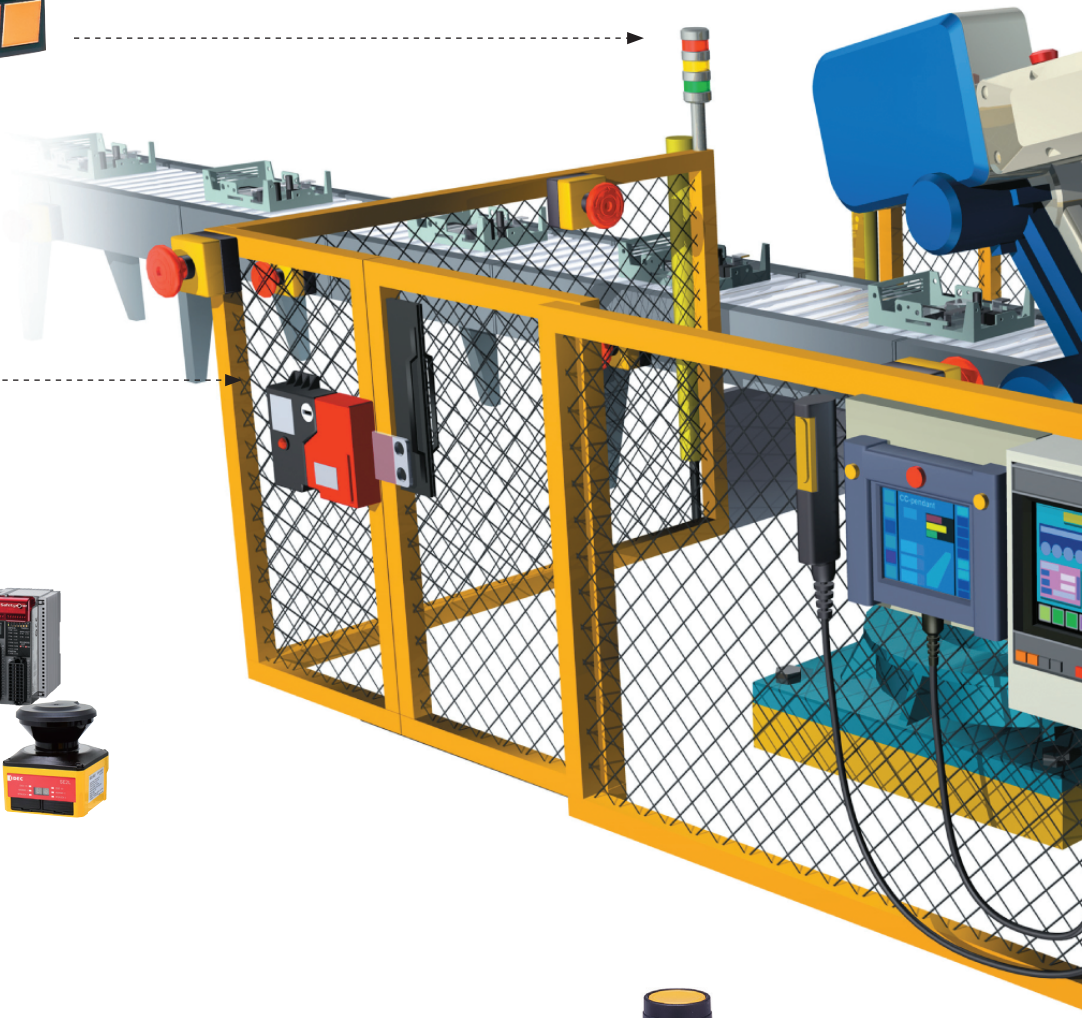
Switches & Pilot Devices

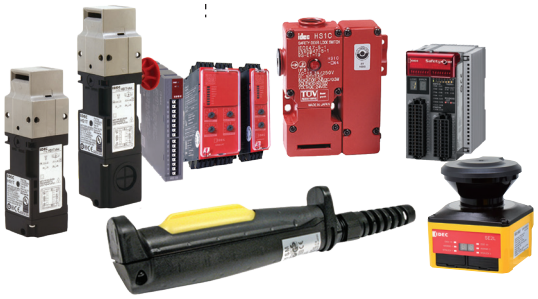
Safety Products

or your production line. . .

Signaling Lights

HMI Touchscreens

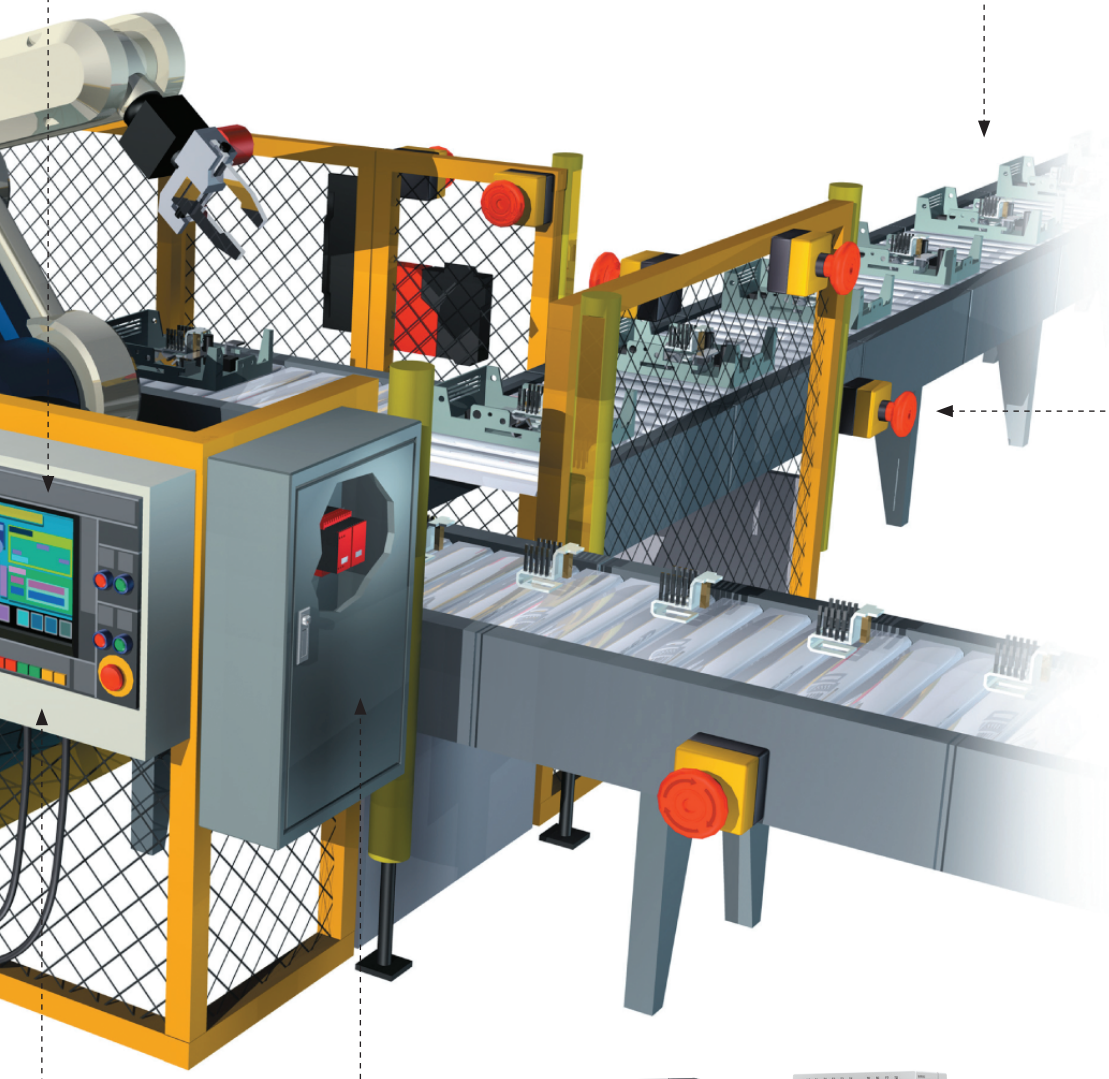




Safety Products

Switches

Sensors



Emergency Stops

Programmable Logic Controllers

IDEC has your complete Control and Automation

LED Lighting & Sensing

Heavy-Duty Machine Tool Lighting

- Rugged construction for harsh environments
- High environmental ratings of IP67, IP67G, IP69K
- Brightest in their class at up to 3000lm
- Prewired or M12 quick disconnect
- Wide range of sizes: 100mm to 510mm
- Reinforced glass lens with stainless steel cover

General Machine Lighting

- Wide range of sizes: 134mm to 1080mm long
- Space saving: Width 27.5mm, Thickness 16mm
- Cool white, Warm white, Yellow, Red, Blue, Green
- IP65 degree of protection (waperproof, dustproof)
- Available in 12/24V DC, 100/240V AC
- Slim units: 40mm wide x 29mm high
- One-step installation in a narrow space

Hazardous Location Lighting

- Class I, Zone 1 and Zone 2
- Type 4X rating
- Heavy-duty aluminum housing with reinforced lens
- Models with ON/OFF switch available
- Available with adjustable, fixed angle or no mounting brackets
- Narrow-angle and wide-angle beam models available

Sensors

- Vision, universal photoelectric sensors and proximity sensors
- Variety of housing sizes, styles and functions
- High reliability and precision
- High-speed response times
- Connector version available

Power Supplies

- Slim, standard or metal frame
- 7.5W, 10W, 15W, 25W, 30W, 50W, 60W,
- 75W, 90W, 100W, 120W, 240W & 480W
- Convenient mounting options
- Worldwide approvals
- 5 year warranty

Automation & Motion Controls

HMI Touchscreens

- Available in 4.3" - 15"
- Brightest on the market
- Best-in-class LED backlight life
- Multi-protocols - up to 4 protocols simultaneously
- FTP, Email, Web Server Function, Mobile App and Custom Web Page
- IP66F/67F, Type 4X and 13, Class I, Div 2
- 3 Year Warranty

SmartRelay

- Embedded RJ45 Ethernet Port
- Data Logging
- Integrated Web Server
- Modbus TCP

PLCs

- Dual Ethernet ports
- iOS and Android app
- Maximum 2,060 digital I/O
- Maximum 511 analog I/O
- MQTT, EtherNet/IP, BACnet/IP, Modbus
- Bluetooth communication
- -25 to 65 deg. C operating temperature

VF1A Doesa AC Drive

- Customizable logic
- Functional safety
- Superior flexibility
- Built-in advanced features
- Durable design

RFID Machine Access

- Built-in RJ45 Ethernet port
- Supports 13.56 MHz frequency band (Type A, F or V standard)
- IP65/67 rated, water-, dust-, and oil-proof ratings
- Designed to work on metal surfaces
- Support Modbus TCP Server, EtherNet/IP adapter, and TCP / UDP communication protocol

Solution!

Safety

E-Stops
- 16mm, 22mm and 30mm
- Unique “safe-break action” fail-safe technology
- Turn-reset and push-pull functions built-in
- Station box for easy installation

Interlock Switches
- Spring and solenoid locking models
- Subminiature to full-size models
- Up to 6 contacts
- Integrated cable or spring clamp termination

Safety Commander
- Easily attach safety devices to tablets of various sizes
- Easy-to-handle lightweight basic type HT3P
- For use with wired LAN and equipped with mechanical switches type HT4P

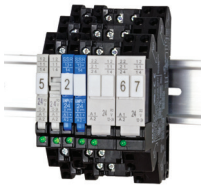
Safety Relays
- EN ISO 13849-1 PLe, Safety Category 4 compliant and EN 62061 SIL 3
- Removable and fixed terminal models
- Finger-safe protection

Laser Scanner
- Protection zone (safety): 5m
- 270-degree sensing angle
- Customizable protection patterns
- PLd, Safety Category 3, SIL2
- Pigtail or connector type

Switching & Controls

Switches & Pilot Devices
- 8mm, 16mm, 22mm and 30mm
- Illuminated pushbuttons, pushbuttons, pilot lights, selector switches and key selector switches
- Solder tab, screw, push-in terminals or PC board pins for direct board mounting
- Metallic or black bezels, standard or flush-mount models
- IP68/69K piezo switches

Touchless Switches
- Sleek and nearly flush being ideal for hygienic applications
- With IP65/67 and UL Type 4X rated, it’s suitable for outdoor use
- Adjustable detection distance ranging from 70 to 270mm



Relays
- General purpose, PCB, latching, interface and force-guided models
- Contact ratings up to 16A
- Correlating sockets available
- DIN rail, panel or PCB mounting

HazLoc Switches & Control Stations
- Applicable in potentially explosive atmospheres
- Class I, Zone 1/Division 2
- Global approvals (UL, ATEX, IECEx)
- UL Type 4X rated
- Up to 3 contact blocks

Terminal Blocks
- Surface-mount and DIN Rail mount terminal blocks.
- Touch-down terminal block with IP20 finger protection.
- Highly flame-resistant UL certified resin (UL94V-0).
- Complies with JIS C 8201-7-1 and NECA C 2811.
- UL, CSA certified. EN compliant (TÜV certified)
- UL standard factory wiring and field wiring

4-Days PLC & HMI Training

Looking to improve your knowledge of PLCs and HMIs?

IDEC's training course combines hands-on and real-world applications examples. Some of the covered topics include:

- PLC fundamentals such as hardware, numbering systems and how a PLC works.
- Basic functions: latching circuit, series, and parallel circuits; how to use timers, counters and advanced functions such as data manipulation, Email/Text and web page setup; Modbus Communications and PID.
- Demonstrations on the MicroSmart FC6A.
- Programming on the super bright, high-performance HMI.

The training course includes Q&A session with our experts to discuss your specific controls applications.

For the detailed information, our current schedule and to sign up for a class, please visit: https://training.IDEC.com

For general information contact **training@IDEC.com** or call **408.745.5214.**

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