



Industrial Safety Solutions



Empowering Safe Automation

Safety Management, Machine Safety, and Process Safety Solutions. At Triad Technologies, we understand that safety is paramount in today's automated manufacturing environments. That's why we offer a comprehensive range of cutting-edge automation safety solutions designed to protect your workforce and optimize your operations. From advanced sensors and controllers to expert on-site services, we're dedicated to helping you create a safe and productive workplace. Explore our diverse portfolio of safety products and services, and let Triad Technologies be your trusted partner in achieving optimal automation safety.



Solutions from Industry Leading Brands



Making Safety Simple



Safety Services

On-Site Safety Audits

Leverage our expert knowledge with on-site safety audits. Our team of experienced professionals can assess your existing safety system, identify potential hazards, and recommend tailored solutions to enhance your workplace safety.

Engineered Safety Systems

Implement comprehensive safety solutions with our engineered safety systems. Our systems are designed to meet your specific safety requirements and provide reliable protection for your workforce.

Training Courses

Protect your employees by providing crucial safety training. We offer a variety of classes covering potential hazards, safe practices, and guidelines for maintaining a safe work environment.

Safety Products

Access Prevention

Prevent accidents and protect operators by ensuring machinery only operates when specific safety conditions are met, immediately stopping operation if those conditions are violated.

Monitoring Devices

Automation safety monitoring devices are crucial for safeguarding workers and equipment in automated systems, detecting hazards and triggering safety actions.

Controllers & Relays

Monitor the primary safety devices that protect personnel from injury, ensuring safe stop and start functions on equipment with hazardous motion.

Machine Guarding

Ensure plant safety around your equipment by providing a strong, secure barrier that is modular and entirely configurable to your manufacturing environment.

Fluid Power Safety

- Exhaust Valves
- Rod Locks
- Lockout Valves
- Two Hand Control Modules
- Hydraulic Safety Valves
- Inductive Position Control Valves
- Accumulator Safety Unload Valves

Try Before You Buy

Our state-of-the-art testing lab in Sharonville, Ohio, provides you with the perfect environment to develop, qualify, and refine your solutions before integrating them into your production line.



Access Prevention



Safety Multibeam Scanners

Safety multibeam scanners use multiple light beams to create a complex detection zone, ensuring reliable personnel and object detection in challenging environments.



Safety Radar Sensors

Detect objects and people, even in challenging conditions like dust, fog, or rain. Long-range detection and reliable performance makes these sensors ideal for outdoor or industrial applications.



Safety Switches

Control access and monitor machine status with versatile safety switches. These switches are designed to provide secure operation, ensuring that safety functions are activated when required.



Trapped Key Switch

Control access to hazardous areas with trapped key switches. A mechanical key system provides a simple and reliable way to prevent unauthorized access and ensure safe maintenance procedures.



Enabling Switch

Enable safe manual operation with ergonomic enabling switches. These switches require continuous activation to allow machine movement, preventing unintentional or uncontrolled operation.



2 Hand Controls

Ensure operator hand safety in hazardous areas with our selection of 2-hand controls. These devices require simultaneous activation of two switches to initiate machine operation.

Monitoring Devices



Safety Camera Sensors

Boost machine vision safety with advanced image processing. Our selection of versatile camera sensors cover everything from object detection to access control.



Safety Distance Sensors

Avoid collisions and ensure safe distances with precision sensors that provide early warnings to reduce accident risk.



Safety Laser Scanners

Create adaptable safety zones with our selection of advanced laser scanners. They detect hazards, offer programmable zones, and enable dynamic switching to meet changing production needs.



Safety Light Beam Sensors

Detect objects with reliable safety light beam sensors. Using infrared or visible beams, they offer effective access control and perimeter protection with easy installation and robust performance.



Safety Light Curtains

Protect personnel from hazardous machine movements with safety light curtains. These optoelectronic devices stop machines instantly upon detecting an intrusion, offering high resolution and fast response times for reliable protection.



Pressure Mats

Detect personnel in critical areas with our selection of reliable pressure mats. They trigger safety signals when stepped on, offering durable, discreet protection for access control and perimeter guarding.



Pressure Edges

Protect against crushing and shearing hazards with pressure edges. They trigger safety signals when compressed, offering flexible, easy-to-install protection for moving parts and doors.



Rope Pulls

Enable emergency stops with accessible rope pulls. They let personnel quickly halt machines in emergencies, offering easy installation and reliable safety.

Controllers & Relays

Safe Motion Monitoring & Control

Ensure the safe operation of your automated machinery with real-time feedback, precise monitoring, and pinpoint control over critical machine movements.



Safe Series Connection

Connect multiple safety devices in series, reducing wiring complexity and minimizing potential failure points.



Safety Controllers

Centralize and manage your safety system with programmable controllers designed to monitor and control safety-related functions.



Safety Relays

Circuit switching with safety relays helps with fail-safe operation, activating safety functions when needed. Relays offer robust construction and reliable performance, providing essential protection for your safety system.



Stack Lights

Communicate machine status and safety conditions with highly visible stack lights. These lights provide clear visual indicators of machine operation, warnings, and alarms.





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