



**Airline**  
**& OMRON**

**STI**

**SAFETY,  
TECHNOLOGY  
& INNOVATION**

**OMRON SCIENTIFIC TECHNOLOGIES, INC.**



**Safety Light Curtains**



**Laser Light Safety Scanners**



**Quick Disconnect  
Universal Safety Mats**



**Safety Contact Strips and  
Safety Bumpers**



**Safety Monitoring Relays**



**Safety Interlock Switches**



**Enabling Grip Switches**



**Safety Network Controllers**



**Vehicle Scanners**

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# Airline

## Fluid Power, Automation and Motion Control for all Industries

### Airline - your source for safety solutions from Omron STI.

After introducing its first infrared solid-state proximity photoelectric control more than 30 years ago, Omron Scientific Technologies Inc. has grown to be a leading supplier of machine safeguarding products in the United States and is recognized throughout the world for their superior products and services.

<p><b>Safety Light Curtains</b> <i>Powerful Solutions for Today's Tough Automation Guarding Problems</i></p> <p>Omron STI provides safety light curtains to solve your optical guarding needs. From compact models designed for machine locations where space is tight, to larger, robust light curtains powerful enough to guard large perimeters, Omron STI offers you a choice.</p> <ul style="list-style-type: none"> <li>• Multiple built in functionality</li> <li>• Floating; Blanking; Muting</li> <li>• Individual Beam indicators</li> <li>• Short to long spans</li> </ul>	<p><b>Laser Light Safety Scanners</b> <i>OS32C Safety Laser Scanner</i></p> <p>World's most: compact size (104.5 mm height), power efficient (5 W) and light weight (1.3 kg)</p> <ul style="list-style-type: none"> <li>• Range: up to 3 m for safety zone and 10 m for warning zones</li> <li>• 70 sets of safety zone and warning zone combinations</li> <li>• Configuration memory block, no need to reprogram after sensor replacement, minimal down time</li> <li>• Easy-to-use software tool simplifies creation of complex zone combinations</li> </ul>	<p><b>UMQ Quick Disconnect Universal Safety Mats</b></p> <p>Rugged Omron STI Universal Safety Mats guard machine operators against some of the potential hazards and dangers of the modern manufacturing environment.</p> <p>An Omron STI Universal Safety Mat system (UM series safety mat combined with an MC3, MC4, or MCG) offers a simple method for guarding personnel around hazardous machines. A safety mat system offers freedom, flexibility, and reduced operator fatigue when compared with traditional guarding methods. Full visibility of and access to the work area is maintained.</p>
<p><b>Safety Contact Strips and Safety Bumpers</b></p> <p>The safety edge or safety bumper are flexible strips which can be fixed to the edge of a moving part such as a machine table or powered door where there is a risk of a crushing or shearing hazard.</p> <p>If the moving part that includes the safety edge or bumper strikes operator (or vice versa) the flexible safety edge is depressed and will send a signal to the power source to stop.</p>	<p><b>Safety Monitoring Relays</b> <i>Safety Relays Ensure Control Reliability</i></p> <p>Control reliability is mandated in U.S. standards for safety implemented circuits. These criteria can be met by using redundant safety-rated device outputs in conjunction with a safety relay.</p> <p>Safety relays range in function from stop motion detection to 2-hand palm button control, to dual channel input units with time-delayed outputs that provide conformity to ANSI B11.19, Section 5.1.</p> <p>All safety relays carry the CE mark and are UL and C-UL listed.</p>	<p><b>Safety Interlock Switches</b></p> <p>Omron STI safety switches are designed to work together with hinged, sliding, or lift-off guards and barriers. When the guard is opened, the power supply to the machine is disconnected.</p> <ul style="list-style-type: none"> <li>• Compact sizes</li> <li>• Several contact arrangements</li> <li>• Heavy-duty housing for demanding industrial applications</li> <li>• Optional E-stop provides emergency stopping at the extreme end of the installation</li> <li>• Safety lock mechanism prevents operating errors</li> </ul>
<p><b>A4EG Enabling Grip Switches</b> <i>Enabling Grip Switch with distinct feel for three easily discernible positions</i></p> <ul style="list-style-type: none"> <li>• The difficult task of configuring safety circuits is now easily achieved by combining the A4EG with the G9SX-GS.</li> <li>• In addition to the standard models, the lineup also includes models with an emergency stop switch and models with a momentary operation switch.</li> <li>• An optional Holding Key (sold separately) provides a versatile method for selecting modes.</li> <li>• Equipped with conduit connector.</li> </ul>	<p><b>NE1A Safety Network Controllers</b></p> <p>Can be used 3-ways: as a stand-alone controller; as an expandable safety network with remote I/O blocks; or combined with an existing DeviceNet network to form a Safety + Control Network.</p> <p>Eliminate long runs of complicated wiring during installation. This system replaces wiring with a network between safety components distributed over many different locations.</p> <p>Programmable safety function blocks eliminate rewiring to make modifications.</p> <p>Safety I/O Terminals can be added to increase safety I/O capacity for distributed allocation through the network.</p>	<p><b>Vehicle Scanners</b></p> <ul style="list-style-type: none"> <li>• Rugged design for roadside use.</li> <li>• Corrosion resistant stainless steel or durable powder coated aluminum construction.</li> <li>• Fan to circulate air and prevent overheating.</li> <li>• Window incorporates a heater embedded in the glass for defogging, defrosting, and to prevent condensation.</li> <li>• Wide variety of styles and designs.</li> <li>• Custom versions available.</li> <li>• Models available for 36, 48, 60, 72, and 126 in. scanners.</li> </ul>

Airline's multi-million dollar inventory of fluid power, automation, motion control and safety products and our dedication to exceptional customer service are key to our six decades of success. **But Airline also helps our customers determine the safety of their work environment and identify necessary corrections. We design, build and install systems and we validate the results.** Our cost-effective machine safeguarding solutions will reduce your liability and bring you into compliance with important safety standards.



**Let Airline help you reach your objective of an injury-free environment!**

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