



Airline

Your source for Omron Automation Products

Airline Hydraulics Corporation is your prime source for Omron Industrial Automation products in the Northeast. With over 75 years of manufacturing experience, Omron is the world leader in incredibly powerful, yet incredibly easy to implement industrial automation products. Take advantage of Omron's wide range of products to improve the quality and efficiency of your manufacturing operation.

AUTOMATION SYSTEMS:



Programmable Controllers - Omron's complete line of PACs & PLCs offer simple solutions to powerful and scalable systems to meet your production demands.



Operator Interfaces - Omron provides high quality industrial rated HMI products. Our broad range of screen sizes and functionality that allow the product to meet the needs of OEM's or end users.



Distributed I/O - Use distributed I/O on your control solution to save time and money.

Software - Omron provides high quality industrial automation software products.

DRIVES & MOTION CONTROLS:



AC Drives - Omron's energy-efficient AC drives offer simple-to-apply advanced functionality and high reliability to make your plant easier to operate. Models are available to meet the needs of simple to the most demanding motor control applications.



Motor Control - Omron motor control products can control motor starts and stops to reduce mechanical shock and lead to longer motor life.



Motion Controllers - These controllers with network capabilities can control multiple servo drives through a single bus. Simplified wiring saves design time and installation. Use in applications requiring cam control, circular, linear interpolation or multi-axis synchronous control.



Servo Drives & Motors - Omron addresses machine builder concerns about how to reduce the complexity of applying servo drives and achieve faster start-up and more reliable operation in a smaller, lower cost package with the new G-Series and R7-Series servo drives and motors.

Encoders - Omron provides high quality industrial automation absolute and incremental encoders.

TEMPERATURE & PROCESS CONTROLS:



Single-Loop - 1/32 DIN to 1/4 DIN on-panel to single loop in-panel temperature controllers.



Multi-Loop - Omron offers in-panel and on-panel controllers from single loop to multi-loop.

Accessories - Cables & accessories for temperature and process control units.

OMRON



From concept to completion, Airline has your solution. Our Application Engineers will consult with you on-site to help you choose products and implement the most cost-effective and productive system possible.

Airline offers:

- No-cost site surveys
- Programming and troubleshooting

AIRLINE HEADQUARTERS:

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Owings Mills, MD
(410) 581-2200

ADDITIONAL PRODUCT DESCRIPTIONS ON REVERSE SIDE.

www.airlinehyd.com

SENSORS & VISION:



Proximity Sensors - Omron offers a wide range of inductive and capacitive proximity sensors to solve most application needs to detect ferrous and non-ferrous metallic and also non-metallic objects. Application specific models are also available.



Photoelectric Sensors - Detect photo-optical workpieces. Omron provides many varieties of sensors, including diffuse-reflective, through-beam, retro-reflective, distance-settable, and sensors with either built-in or separate amplifiers and fiber units.



Fiber-Optic Sensors - Omron's wide range of quality industrial automation fiber optic sensors can meet all your application needs.



Amplified Photomicrosensors - Omron's wide variety of quality industrial automation amplified photomicrosensors can meet all your application needs.



Measurement Sensors - Used to measure distances and heights, a wide variety of models is available, including laser sensors, LED sensors, ultrasonic sensors, contact sensors, eddy current sensors, and more.



Ultrasonic & Pressure Sensors - Omron's quality ultrasonic and pressure based sensors can meet all your application needs.



Vision Sensing - Omron sets the new standard for future vision sensors by offering great customer versatility, flexibility and simplicity for most inspection applications.

CODE READERS & RFID:



Code Readers Linear - The Omron approach to traceability: integrating objects and information. Information is required through a product's life cycle, from raw materials to recycling. Omron offers a wide range of systems; bar code and 2-D code readers, and RFID systems.



Code Readers 2-Dimensional - Created to meet real-world production site needs, Omron's suite of 2-dimension code readers solutions employ leading edge technology, delivering a wide array of solutions for decoding labelers and printers for printing bar codes or 2-dimensional codes onto labels widely used in the fields of distribution and logistics.



RFID for Manufacturing - For storage of specific object information by wireless communication, Omron's RFID system reliably processes your data, even under harsh conditions (e.g. on metal grounds, under chemical influences or high ambient temperatures).



RFID for Semiconductor - Semiconductor applications require chemical resistance and special protocol for identification systems. Omron's V640 is able to provide both communications with standardized glass transponders from Texas Instr. & SECS I/II protocol as well.



RFID for Logistics & Warehousing - Warehouse and supply chain application RFID, Omron's interrogator platforms deliver best-in-class functionality and performance, with quick processing (as fast as 5 ms read time), enhanced communication, fine-tuned functionality, and scalability for the future.

TEMPERATURE & PROCESS CONTROLS:



Relays - Ideal for sequence control, power switching, and power monitoring applications, Omron relays offer long service life and meet RoHS requirements for Pb-free/Cd-free construction.



Pushbuttons and Indicators - Complete line of 22mm and 16mm pushbuttons, selector switches, e-stops and pilot lights. These reliable and oil-tight switches are offered in a wide range of shapes and colors.



Limit Switches - Omron's basic limit switches have been encased to protect them from external forces, water, oil, and dirt. Many models are available, such as those resistant to head, cold, or corrosion, as well as high-precision models.



Timers - Omron's expanded line of industrial timers will provide an effective solution to your timing applications with advantages that will simplify design, support and maintenance.



Counters - Choose from a variety of digital counters including 4-, 6- and 8-digit models, all with easy-to-read displays. Several models provide NEMA 4 protection.



Metering Devices - Metering devices perform digital processing on or conversion and display of voltages, currents, other analog signals, and pulse signals. They can also compare input values to set values, transfer data, and perform other functions.



Power Supplies - Omron's DC switching power supplies cut installation costs, reduce unexpected downtime and possess advanced features that aid in preventive maintenance.

Airline is also an authorized distributor of safety solutions from Omron STI.

- Safety Light Curtains
- Laser Light Safety Scanners
- Quick Disconnect Universal Safety Mats
- Safety Interlock Switches
- Safety Monitoring Relays
- Safety Contact Strips/Bumpers
- Enabling Grip Switches
- Safety Network Controllers
- Vehicle Scanners



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