



The WESCO Runner



Fourth Quarter, 2003

Industrial Lighting from Holophane

Beauty, Performance, Efficiency and Economy all in one Luminaire.

Well designed plant lighting can enhance productivity, reduce energy costs and lower maintenance costs at the same time.

The 'RE Light Industrial Luminaire' from Holophane utilizes a high efficiency design approach to delivery on the lifetime cost savings equation.

The Holophane 'RE Light Industrial Luminaire' is an open glass high bay at the cost of acrylic that operates with a ballast factor of 1.0. Every lamp runs at full wattage of 400 watts with an overall efficiency of up to 95.4%. This means that you are getting the highest efficiency of any open clear reflector high bay. Fewer fixtures are required. Less wiring is needed and you save on installation, maintenance, energy and lifetime costs.

The RE Luminaire was developed as an economical alternative to Holophane's Primalume family of heavy-duty industrial luminaires for applications where shock and vibration are minimal. Holophane provides a 5 year warranty on the ballast and electrical. Five reflector choices are available, each having a wide task distribution.

The simple snap hook mounting means that the 'RE' can be installed in minutes. The ballast is encapsulated for heat and sound protection. A wide range of voltages are available. Light sources of 250 and 400-watt metal halide or 320, 350 or 400 watt pulse start metal halide are offered.

The glass reflector lasts virtually forever. It never yellows, scratches, dents or gets dirty. The chimney action of the hot air brushing the inside of the reflector and the electrostatically inert glass material make for a clean reflector saving maintenance costs.



The spun glass reflector is actually lighter than pressed glass designs. It is made of Holophane's exclusive Borosilicate glass that is thermally and mechanically shock resistant.

Holophane has been the leader in lighting solutions for more than a century. They offer industries the most advanced line of industrial indoor and outdoor fixtures. To learn more about the "RE" and other Holophane lighting solutions contact your WESCO representative.



WESCO Provides International Sourcing Solutions

If you have a challenging project overseas and need to coordinate global sourcing, WESCO has the solution. Our international sourcing team, located in Calgary offers expertise in project co-ordination, export documentation, currency exchange and international standards. We put these skills together to come up with solutions to challenging international sourcing problems.

We can assure you receive quality products that will meet your specifications, with on time worldwide delivery, at the lowest available global cost. Wherever your project is located, local support is provided with more than 350 branches and five distribution centres in nine Canadian provinces, 48 states, South America, Eastern Europe, Puerto Rico, Guam, Mexico, Nigeria, the United Kingdom and Singapore.

Contact Ed Wells at ewells@wescodist.com for more information on International Sourcing Solutions.

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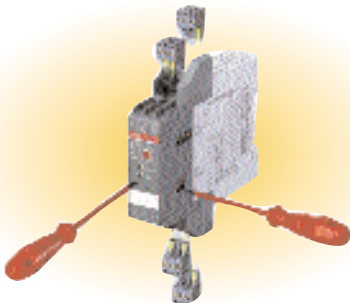


Analog Signal Converters from ABB-Entrelec

Multifunctional, flexible and accurate signal converters with Class1 Div 2 approval.

In the Process Industry, numerous values coming from the field sensors must be measured and converted into standard signals to allow further process control. The CC-U universal range of analogue converters allows over 150 possible configurations in one Model with Voltage, Current or 2 alarm threshold outputs.

With a choice of power supplies, ease of use, accuracy and safety the CC-U range is the ultimate partner for the process industry.



In many industrial environments inductive or capacitive noises can affect the measuring signal and even damage the controller unit. In response the CC-U range provides a 3-way isolation between input, output and supply up to 1.5KV.

The CC-U range provides a coarse gain control to amplify or reduce the input signal to match the desired output signal value. The fine gain allows an easy and quick calibration combined with the offset or span. Input and output scales are selected via dip switches on the side and therefore do not require the opening of the body case. Settings and connections are permanently marked onto the side and front of



the converter allowing easy re-calibrations.

Pluggable and keyed connections make maintenance and replacement fast, reliable and easy. The CC-U has two supply versions for a range of DC or AC supply allowing the user to choose the available power source with no additional material cost. The large range of signals covered by the converters help to simplify and reduce the cost of inventory.

The CC-U offers a very high accuracy of 0.1% of the end value and a time response of 200ms to provide a reliable output signal to allow the controller to react in time. The converters also provide a fail-safe function allowing the output to go high or low value while the input signal is lost. The units are Class 1 Div 2 approved for use in hazardous environments.



New Sensorless Vector Micro-Drive

Looking for a compact micro-drive that is reliable and easy to configure with powerful built-in features? The new Cutler-Hammer MVX9000, by Eaton Corporation, is a sensorless vector AC micro-drive designed to provide adjustable speed control of three-phase motors. This microprocessor-based drive can be programmed to tailor its performance to suit applications in a wide variety of industries.

Motor efficiency and smooth low speed performance are made possible with a 32-bit microprocessor and insulated gate bipolar transistors. Sensorless vector motor control with auto tuning allows close control of the motor speed without encoder feedback and will provide 200% starting torque with advanced low speed torque control. A built-in dynamic braking chopper enables superior deceleration performance.



Its compact size and simplicity make it ideal for hassle-free installation where size is a primary concern. The clearly laid out keypad has a 4-character LED display, 7 status indicating LEDs, speed potentiometer, and 6 function keys providing the most informative operator interface in its class.



The MVX9000 Micro-Drive has 2 analog inputs, 6 programmable intelligent digital inputs, 1 programmable digital output and 1 programmable relay allowing you to tailor the drives performance to suit a wide variety of application requirements. PID control of a process variable such as pressure, flow, temperature or liquid level expands the drives functionality and eliminates the requirement for a separate setpoint controller.

The MVX9000 Micro-Drive provides the most informative operator interface in its class.

The Modbus RS485 serial port communications provide direct connection to serial communications networks.

The MVX9000 is available in 200-230 VAC, 0.5 to 7.5 Hp and 380-480 VAC, 1 to 10 Hp. It meets NEMA, IEEE and IEC design standards and is cUL and UL listed.

For more information on the MVX9000 Sensorless Vector Micro-Drive contact your local WESCO Branch.

EATON

Cutler-Hammer

Video Surveillance over IP by Hirschmann

Communication in the field of automation is ever changing. In the office environment, Ethernet networks have a market share of greater than 80%. Similar developments are now occurring in industrial automation where leading manufacturers are developing components designed to run on Ethernet-based systems.

One of the more promising developments is video over IP Technology from Hirschmann, a global leader in industrial Ethernet technology. Hirschmann Electronics new video system, the R-VIP T, sets new standards in the field of industrial communications. Designed specifically for industrial applications this system combines the functionality, temperature range, and abuse resistant design required for harsh industrial environments, paving the way for new fields of application.

Now you can use existing data networks to transmit video, audio and control signals enabling remote maintenance or remote process monitoring as two of the many powerful applications.

Contract Maintenance Staff using Live Video

The capability of contacting operating personnel at the process or machine site using audio video technology helps to optimize your support operations. Production and engineering personnel can contact on site maintenance staff directly using email or live video images. Maintenance issues can be resolved more quickly and more precisely to reduce costly downtime. Real time process malfunctions can be viewed

remotely enabling more accurate, timely and informed diagnostics



Remote Monitoring Manufacturing Processes Remotely

Production process can be monitored and documented using video for enhanced process control information. You can transfer live video from production sites in harsh environments to remote control centres to deal immediately with a critical process condition. The capability of contacting operating personnel at the worksite using audio - video technology helps to optimize their effectiveness. Multiple password-protected browsers can view multiple cameras locally or remotely. Predetermined actions can respond to alarms defined by your system.

WESCO automation specialists are well equipped to discuss any questions or potential applications of this technology. Call your local WESCO branch and ask to learn more about Video over IP from Hirschmann.





Large Area Safety Protection from Schmersal

For more than 50 years, Schmersal has dedicated itself to understanding machine safety standards and providing safeguarding solutions for industrial applications. Schmersal is constantly developing new products that will insure safer workplaces and machines, reduce liability, improve productivity and lower insurance costs. Emerging safety guidelines are establishing minimum safety requirements to which manufacturers and employers must comply.

In addition to providing a wide variety of solutions for point-of-operation guarding, SCHMERSAL offers a selection of contact and non-contact safety devices for area/perimeter guarding. These include safety light curtains/grids, safety light barriers, and a family of industrial-grade safety pressure mats... each with compatible safety controllers for achieving control reliability.

The SLC Series safety light curtain is CE-Compliant "Category 4" and meets current international safety standards (UL, CSA, IEC). An integral safety controller with dual 500mA PNP safety outputs and built-in digital diagnostics facilitates easy installations and maintenance. Units are available with 14mm and 30mm resolution for protection fields of 160mm to 1810mm. With response times as low as 6ms, and a range of 18m, they satisfy a wide variety of applications.

Schmersal also provides fully CE-compliant "Category 3" SMS Safety Pressure Mats. This industrial-strength safety mat features a 100% active area, an actuation force of less than 10

pounds, and a rugged, riveted cable strain relief to insure long-life.

Other features include a durable, non-skid surface, an IP67 submersible rating, and an easy-to-install 4--wire termination.



Accessories include a selection of three compatible safety controllers, multi-mat junction boxes, and matched trim kits for easy installation in compliance with ANSI and OSHA requirements. Standard sizes and custom sizes/shapes are available.

SCHMERSAL

Contact a branch near you!

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