



Thermal News March 2011

closing the loop on thermal solutions

Welcome to the new Durex Industries.

Life at Durex Industries continues to be exciting as customers bring new applications and benefit from our expanding thermal product, technology and manufacturing capabilities. Durex is now 12 months into executing our 5 year strategic plan, and is seeing daily results that bring value to our customers. *In this issue of Durex Thermal News, we are introducing our new family of Temperature Control Solutions.*

“Closing the loop on thermal solutions” was selected as Durex’s new tagline because, strategically, Durex now has the capability to service our customers with the complete thermal loop, including heater, sensor and control solutions. We have found that customers value Durex’s ability to supply advanced thermal solutions and our expertise in the entire thermal loop.

At Durex, we acknowledge the fact that there is no single temperature control that will work for all applications. For this reason, Durex has developed the capability to service customers with standard DIN package controls, custom control solutions, and turnkey integrated control panels and consoles. *Our goal is to provide the best solutions for customers.*

Durex Temperature Control Solutions

Standard Controls, Custom Controls, Control Panels and Control Consoles

Custom Temperature Design & Manufacturing Capability

In July 2010, Durex completed the merger of Custom Control Solutions Incorporated (CCSI) into the Durex product family. CCSI was founded by Bill Preston in 1995 following a successful career at Paktronics, an innovator of standard and custom temperature controls. Bill continues as an integral part of Durex’s temperature controls product line by providing business, customer and application support. Now known as Durex Custom Controls, we still bring the same high level of innovation, cost savings and customer support as when the company was CCSI.

From concept to design to manufacturing a complete solution, Durex’s custom control team has the expertise to deliver superior custom electronic solutions to our customers.



Durex Industries Qd Series Custom Control Platform

Simplifying Custom Control Design with Durex’s Quick Development Platform

Custom control design may be frightening for some OEMs because of their past experiences with long design cycles and higher than expected design and product costs. During a product’s life cycle, an OEM may have experienced the nightmares of dealing with component obsolescence or loss of key engineers that knew their product during the design phase. Durex has removed the pain from custom control development and product life cycle by developing the **Quick Development (Qd) Series Custom Control Platform.**

The **Qd Series** is a platform of five common modular hardware and firmware feature sets that are quickly modified to meet an application’s unique process control performance, and electrical and mechanical requirements.

Durex Standard Temperature Controls

In March 2011, Durex announced a business relationship with RKC Instrument, Inc. for the sale and distribution of products and technology in the Americas. The product line includes Durex customized RB and SA Series 1/32, 1/16, 1/8 and 1/4 DIN temperature controls as well as the entire RKC Instrument product lines. RKC Instrument is a global leader in innovative temperature and process control solutions for semiconductor, plastics, photovoltaic, medical, analytical instrumentation and other industries that align with Durex's target industries.

Durex customers will benefit from excellent technical support, fast product delivery and competitive global pricing resulting from the Durex and RKC Instrument business relationship.

The RB and SA Series Panel Mount temperature controllers from Durex represent the next generation of high performance standard controllers. A few of the features that make these controls valuable are:

- **Large 11-segment LCD display that is easy to read at long distances**
- **Advance PID auto-tuning algorithms optimize PID value**
- **Recipe storage of set point menus to allow easy set up during process changeovers**
- **RS-485 Series Communications with Modbus/ANSI Protocol**
- **Programmable Ramp/Soak control**
- **USB port of easy control parameter setup**
- **Burst fire power output**

Multi-loop and Power Controls

Whether a customer's application requires signal loop, multi-loop or power controls, Durex is prepared to supply the best possible solution for their application.



Control Panels and Controls Consoles

Many Durex customers require turnkey solutions that include not only the temperature and power controls, but also other electro-mechanical components assembled in rugged boxes (consoles) or panels.

Durex Control Panel and Control Console

Whether the application is a water treatment facility or semiconductor wafer fab, Durex's engineering team works closely with customers to define their control requirements and then design, manufacture, and program solutions that will control their processes.

Contact Durex Industries for all your heater, sensor and control requirements.

For more information, visit our website!
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