



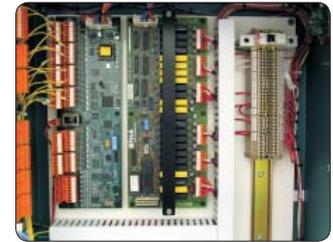
The Frick® Quantum™ LX Control Panel is the most technologically advanced screw compressor control center in the world today.

Powered by a high-speed PC-based processor, it is a quantum leap over competitive microprocessor control panels. Examine the features and you'll agree that the Quantum™ LX is unequalled in its ability to let you "Take Control" of your entire refrigeration system.

## Hardware - The Heart of the Panel

The Quantum™ LX Control Panel incorporates hardware features & technology proven in millions of applications.

- **PC-Based Industrial Controller.** High-speed processor provides speed and processing capability far surpassing competitive microprocessor offerings.
- **10.4" Active Color VGA Graphics Display.** High contrast, crisp, clear display of compressor information and status with a superior viewing angle. Also available in a special outdoor option, viewable in direct sunlight.
- **Input/Output Upgrade Capability.** Additional I/O can be easily installed in the field. This feature provides flexibility for future engine room upgrades and changes.
- **Three Serial Communication Ports.** These field-selectable ports allow you to choose from a combination of RS-422, RS-485, or RS-232 port configurations for both interpanel and external communications.
- **Ethernet communications port.** Connection to this port is accomplished via industry standard RJ-45 connection, allowing Internet viewing, E-mail alarm notification, and compressor sequencing (all Quantum™ LX panels required) without the need for additional software for the Quantum™ LX panel.
- **Circuit Breaker Protection for Main Power.** Forget about ever having to change blown fuses due to power spikes and other line voltage disturbances. If a disturbance occurs, you will be back on line with the flip of a switch.
- **UL, cUL, CE, and ISO 9001 Certifications**
- **Flexible Analog Inputs.** Setup is easily changed in the field to accept 0-5 volt, 1-5 volt, 4-20 mA, ICTD, RTD, Current Transformer, and Potentiometer inputs.
- **Long Life Lithium Coin Cell Battery.** Used to back up time/date clock only.
- **Communication Activity and Diagnostic Lamps.** Numerous LED lamps simplify troubleshooting and provide visual indication of proper component operation.
- **NEMA 4 Enclosure.**



Input/Output Upgrade Capability



Circuit Breaker Protection for Main Power



Long Life Lithium Coin Cell Battery



BY JOHNSON CONTROLS

