

Vapor Relays and Contactors

FOR DEPENDABLE OPERATION IN SEVERE ENVIRONMENTS



Vapor Bus International
A Wabtec company

Designed, Tested and Proven for Critical Applications

From rail passenger cars and locomotive control and starting circuits to earth moving equipment, Vapor relays and contactors have established a reputation for quality and reliability where dependable control of DC circuits is required. Performance-proven in thousands of applications worldwide, Vapor relays and contactors meet or exceed stringent qualification requirements of major locomotive and rail passenger car builders and heavy machinery manufacturers. Units are in daily service on U.S. Class 1 railroads, the New York City Transit Authority, the Chicago Transit Authority, the Toronto Transit Commission and other railroads and transit agencies around the globe.



Extended Service Life

Vapor designs incorporate the highest quality components and materials to provide long life with minimum maintenance. Control relays provide from 1 to 2 million cycle load life and 10 million mechanical cycles. Contactors provide up to 5 million mechanical cycles.

Custom Designs

A wide selection of standard relays and contactors is available. In addition, Vapor can design and manufacture units to meet specific requirements.

Compact, Lightweight Units

As units are engineered for a particular purpose, application and/or specification, they represent the lightest, most compact design possible.

Shock and Vibration

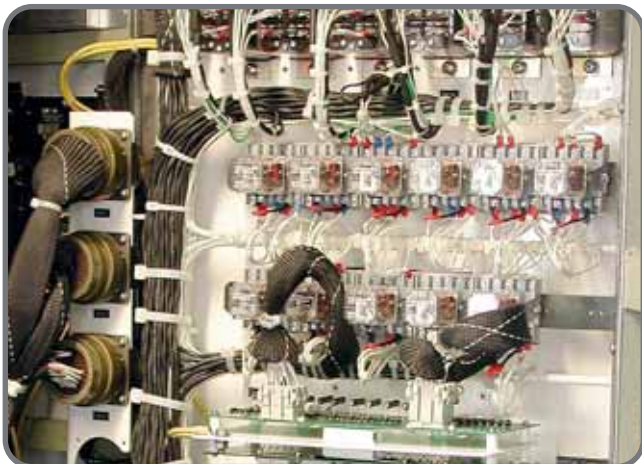
All products have been designed for an extended service life on moving equipment, and will withstand continuous conditions of shock and vibration.

Minimum Maintenance

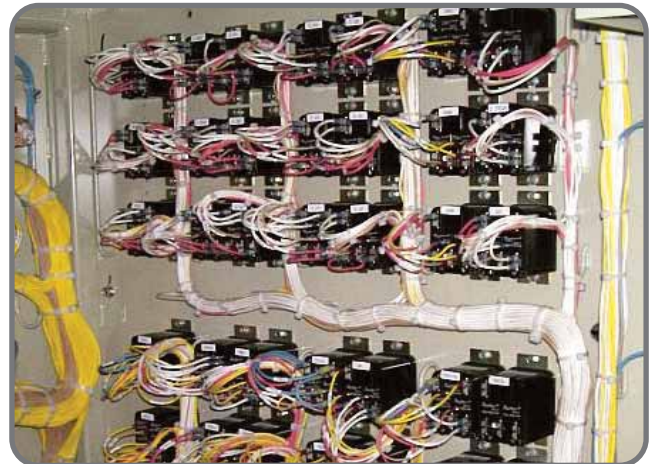
Rugged enclosures, accessible designs, quality materials and controlled manufacturing processes all contribute to minimizing maintenance problems and expense.

Computerized Testing

All relays and contactors are thoroughly tested during the manufacturing process using computerized test equipment. Electronic records verify the specification compliance of every unit.



Passenger rail car control panel



Locomotive control panel

DC Relays and Contactors for high reliability and long life

Control Relays

for general control circuits, small motors, solenoids, alarm circuits, switching circuits and safety equipment.

Time Delay Relays

for delay intervals of second or minutes. Hybrid electromechanical designs.

Latching Relays

for alarm and signal circuit supervision with manual or electrical reset.

Medium and Heavy Duty Contactors

for motors, lighting, multiple solenoid circuits, heating, motor starting, battery charging, signal and alarm circuits, motor and generator field control.

Vapor relays are not intended for use in “dry circuit” applications. (A dry circuit is a contact that carries current, but does not open or close while its load circuit is energized).

ISO9001:2000

Vapor's commitment to product quality is evidenced by its compliance with, and registration to, the ISO9001:2000 standards.



2-Pole Relay



4-Pole Relay



6-Pole Relay



Medium-duty Contactor



Starting Contactor



12-Pole Relay



Vapor relays and contactors are manufactured in a modern, 131,000 square foot production facility in Buffalo Grove, Illinois, under a quality assurance system registered to the ISO 9001:2000 international standard. This attention to detail assures the consistent delivery of highly reliable products.

Quality and Reliability

assure dependable operation
in critical applications



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