

# Special Topic: Hydraulic Elevators

## Upcoming Special Topics

### **Powervator® EMERGENCY RETURN SYSTEMS**

Have you considered how people will exit hydraulic or traction elevators that have unexpectedly stopped between floors during a power outage?

Reynolds & Reynolds Electronics, Inc. (R&R) currently recognizes two solutions to this problem:

1. install a battery backup unit or motor generator, or
2. ask trapped passengers to wait for help.

*Continued*

### **STAND-ALONE HYDRAULIC UNITS**



**HFP Three Phase**      **UV2 Single Phase**  
Freight Elevators      Passenger Elevators  
Size: 12.5" x 12.5" x 8"

When the main line power is lost, the **POWERVATOR** Emergency Return Unit provides three or single phase AC and/or DC power to the elevator controller, valve and door motor. This power allows the elevator controller to maintain its normal function. Power is also supplied to the door operator so that the doors may be opened to allow passengers to exit.

Battery backup can be applied in circumstances when building owners and managers want to prevent clients, customers and passengers from being trapped in elevators for minutes, hours or even days at a time, assuring passenger safety and reducing the level of inconvenience.

Battery Backup improves passenger safety by addressing the anxiety associated with entrapment that may lead to passengers prying doors open, people jumping between floors, etc. It also helps to reduce the liability associated with the entrapment of professionals who have billable hours and/or who may perform critical functions.

Building owners and architects are challenged to balance emergency power

loads on motor generators when new lighting systems, phone systems, computer systems and specialized equipment requiring uninterrupted power are installed. R&R Powervator battery backup units free-up a maximum of 50kW of generator power per elevator for other uses, while still allowing passengers to safely exit elevators during power outages. R&R Powervators save building owners money by accomplishing this for a fraction of the cost of a new or larger motor generator.

*Continued*

### **O.E.M. HYDRAULIC UNITS**



**RB2 Single Phase**

Compact Size: 7" x 6.5" x 8.5"

Battery backup is very common. Battery backup units are installed in more than 50% of new hydraulic elevator installations. R&R provides an O.E.M. unit that is installed at the factory by the elevator manufacturer. This unit is connected into the system and tested before it is received at the construction site.

Reynolds & Reynolds Electronics, Inc. offers battery backup units for hydraulic and traction elevators. R&R is a leading supplier in the elevator industry. R&R products are sold through independent elevator contractors and major elevator manufacturers (O.E.M.s). They can be installed in new and existing elevator applications.

For more information, contact:  
**Reynolds & Reynolds Electronics, Inc.**



521 E. Fourth Street  
Bethlehem, PA 18015  
(610) 691-2224

[www.reynoldselectronics.com](http://www.reynoldselectronics.com)