

RICHARDS • WILCOX, INC.
A MEMBER OF THE FIDELITY GROUP



The Intelligent Mobile Storage System

Power³

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Thousands of inventions flood the marketplace, few make an impact. Fewer still change the work environment in a meaningful way.

Who can imagine the business world today without cell phones, or personal digital assistants? Now another innovation will be added to the list of products, forever transforming the workplace...

Richards-Wilcox presents Power³, setting a new standard for high density mobile storage systems. Power³ incorporates a computerized control system unparalleled in safety, sophistication, and flexibility — a computerized system so easy to use it will become your new intelligent digital assistant.

A New Standard in Controls

Power³ contains an intelligent controller that features plug and play installation. Optional logic allows for external control of system functionality and interfaces with environmental systems including security, fire alarm, surveillance, HVAC, and lighting.



Touch Pad Control — simple, intuitive operation



Easy Setup, Operation and Maintenance

The Workless Setup

Power³ takes the work out of set-up, with no special training or technical skills required. Programming is fast

and easy using transponders, eliminating the need for calibration charts and expensive equipment.



Plug and Play Transponder Set Up — no special training required

"One Touch", Touch Pad Operation

A simple, intuitive touch pad activates the system. This electronic con-

trol allows convenient "hands-full" activation

and has the added benefit of being ADA compatible. Touch pads can be mounted to the carriage front panel at any height, and to both aisle ends for dual access, providing a new level of safety and convenience.

And with no moving parts to fail, the touch pad extends system life. This innovative design eliminates costly repairs usually seen with mechanical control failure in traditional electric mobile systems.

Carriage Control

Power³ provides "soft" carriage starting and stopping and does this by monitoring motor current consumption. Changes in weight load or

• dual aisle access • advanced controller • plug-and-play • transponders • "hands-full" activation • touch pads • "soft" carriage • infrared sensors • flexibility

uneven distribution of weight are detected by internal software to retain consistent running speed and carriage stopping. No limit switches, mechanical, or moving parts are necessary.

System Flexibility

Whether your storage needs remain constant, or constantly change, Power³ has the solution. Need to adjust carriage-stopping distance to accommodate oversized items? No problem. One simple touch from the transponder will do it.

Power³ also has built-in flexibility to convert mobile carriages to stationary for temporary or permanent usage. Modify use through the transponder, no technical support is needed.

Self-Diagnostics

Self-diagnostic LEDs simplify problem identification and maintenance, cutting costly repair response and service time. What's more, the system can accept remote diagnosis via modem.

A New Standard in Safety

Power³ mobile provides a new level of safety previously unknown to other mobile systems. The first safety

system is passive (PBS - Passive Block System), requiring no activation by the user. Once an aisle opens, the system activates and remains in force, restricting carriage movement

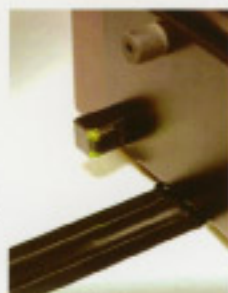


Red Steady LEDs mean the Passive Block Safety System is activated.

until the user deactivates the touch pad on both sides of the open aisle.

This dual activation feature ensures greater safety than systems requiring single-side activation.

Power³'s other safety system (MCMS - Motor Current Monitoring



infrared photo-sweep at carriage level

System) is logic-based and recognizes when pressure has been applied to a moving carriage, or the contents therein. Shutdown is immediate. The logic system also interfaces with other safety devices including

Passive Infrared Motion Detectors.

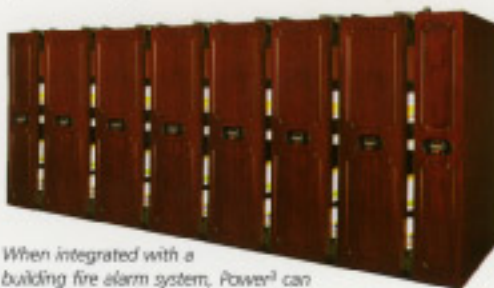
Automatic Power Failure Response

When power failures occur, the safety system automatically detects that carriages have been stopped during an aisle-opening sequence and activates the passive safety feature. Users who enter a partially opened aisle are protected from acci-

dental carriage movement when power to the building resumes.

Building System Integration

The Power³ controller can interface with environmental systems including fire alarm and suppression, temperature, lighting, humidity, and ventilation control. Users can program automatic carriage response to system activation and define off-hour positioning as well.



When integrated with a building fire alarm system, Power³ can respond to an alarm signal.

Greater Security

Mobile system security privileges and changes due to employee turnover, reassignment or revoked authorization have historically been a costly, time-consuming problem.

With Power³ programmable transponders eliminate the need for system keys, locks, codes, and expensive training. Ten unique security authorizations are standard; they can be changed remotely from a PC with no specialized training, no system downtime, no costly refitting, and no compromised security.

• remote diagnosis • PBS • MCMS • PIR • building system integration • unique security • powder-coated • cherry • maple • oak • mahogany • ash • access lighting • infrared carriage

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Design Options

Power³ is available in a variety of carriage depths and carriage lengths with many shelving accessories including shelf dividers, reference shelves, retractable doors, and drawers.

Finish options include Gloss-Tek™ premium powder-coat in a palette of twenty-two colors for metal carriages and shelving, or Wood-Tek™ wood cladding of cherry, maple, oak, mahogany and ash in ten different stains. Choose either contemporary or traditional Wood-Tek end panels.

Have a custom design? Power³ can be created in countless finishes including laminates and fabric end panels to match any office décor.

Optional Accessories

- Passive Infrared Motion Sensors
- Access Lighting
- CD-ROM Software for PC Aisle Lockout

Technical Specifications

- High Performance CPU
 - High Speed CMOS FLASH/EEPROM Technology
 - PC Interface
 - 115/230 VAC, 50/60 HZ Power Supply
-
- Programmable logic input for external control
 - Programmable logic output for control of lighting and surveillance
 - Logic input for inductive floor stop
 - Logic safety input for passive infrared motion or CCTV sensors
 - Logic output for aisle light relay control
 - Self-diagnostic electronics
 - System setup or adjustment by transponder or PC
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- Passive Block System (PBS)
 - Motor Current Monitoring System (MCMS)
 - Safety Standards: UL 1950, CUL, IEC 950, ENEC, CE, DEMKO, ADA
 - Touch Pad Control
 - Dual Aisle Access
 - Soft Start and Stop
 - Programmable Security Access System



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