



# THE AUTOMATIC EMERGENCY LOWERING SYSTEM THAT'S **ALWAYS ON DUTY**

## **BECAUSE BEING PREPARED FOR POWER EMERGENCIES IS IMPORTANT**

Stay ahead of power outages thanks to the Anti-Personnel Entrapment system designed to keep passengers safe regardless of severe weather, power grid problems or any emergency power loss situation. The simple safety upgrade installation kit from Adams is available for Schindler-manufactured hydraulic elevators, including the 330A, 321A, 300A and MPH2.

Available for low-rise hydraulic elevators, the battery lowering system takes control immediately, cancelling any floor calls, lowering the car to the designated egress landing and opening elevator doors in the event of an emergency. The system cannot raise cars to a higher level. The kit provides an economical way to minimize passenger disruption incidents whenever a power outage is detected.

The battery lowering system automatically reacts to the loss of standard power without any manual activation. By immediately reacting, the emergency return system keeps your elevators in service and gets passengers out of a power-compromised elevator within seconds—saving riders from the inconvenience of remaining stuck inside the car and you the trouble of a costly emergency service call to release trapped passengers. The system includes a battery backup pack, cables, brackets, wiring diagrams and software modified to allow battery lowering in the event of power failure. The battery pack, boasting an up to five-year life expectancy, is designed to minimize service requests.

The system can retrofit to units installed without the feature—new equipment orders generally include battery lowering with installation. The system requires a power on/off signal from the main disconnect in the form of an auxiliary contact which is not included in the installation kit.

**Learn more about the automatic emergency lowering system at [adamselevator.com/APE](http://adamselevator.com/APE).**

# **ADAMS**

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## TECHNICAL SPECIFICATIONS AND DETAILS:

Elevator models this equipment applies to:

Schindler Hydro Models: MPH2, 300A, 321A and 330A

Equipment required:

**Part # 6996C25G24**

- Battery Lowering Hardware Kit
- Contains the battery pack, cables, wiring harnesses, mounting brackets and wiring diagram for 321/330A installations. Must be used with modified job specific software as described at right. Special wiring diagrams for 300A and MPH2 applications will be provided when Battery Lowering is ordered for these models.

**Part # Software-APE**

- Software modification
- The job specific software in your elevator must be modified to allow correct operation during battery lowering, and this part number (along with the job number and version level of current software) will provide you with the modified software. Must be used with the hardware kit as described at left.

*Please note: Orders require the job number/GO # as well as the city and state where the elevator is located. We also need the actual software revision level that is installed. This is usually printed on a label on the chip or you may provide a clear picture of the chip. The software level can also be obtained electronically through diagnostics on the processor board.*

Also required but not included in kit:

One auxiliary normally open (NO) contact, rated 120 VAC 6 Amp minimum, from the main disconnect switch. The purpose of the signal is to prevent battery lowering when service personnel manually disconnect power for equipment servicing.

## EMERGENCY LOWERING SYSTEM OPERATION:

The system is designed to lower the car to the designated egress floor (typically the lowest landing) in the event of an emergency.

The system reacts automatically if a power failure occurs for more than five seconds. Power failures of less than 5 seconds are ignored, so system does not react to power outages with a very short duration.

The system does not react if power is deliberately removed by service personnel or by manual operation of the main feeder disconnect, as determined by the auxiliary contact described above.

After initiation of battery lowering, the car is lowered to the designated egress level and the doors open for 30 seconds - to allow safe exit of the passengers. Alternatively, if the car is below the designated egress level when power is lost, the doors will open at the level below the egress level. The car is then placed out of normal service pending restoration of electrical power.

The battery lowering system will signal the controller when line power has been restored.

This system is not intended for use with elevators that already provide a feature for emergency power during power outages.

The system uses long life batteries that typically last four to five years before requiring replacement. Part number for replacement battery pack is 7266C11H04.

Prevents costly service calls and emergency personnel rescue efforts to release passengers who would otherwise be trapped in the car somewhere in the hoistway.



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