

# Automatic Emergency Lowering System

## Increased safety for hydraulic elevator passengers

### Power outages and elevators

Power outages can happen at any time. Some are the result of severe weather while others are caused by power grid problems. No matter when or how they happen, they have the potential to create problems for elevator passengers.

Today, Schindler offers a simple, economical way to minimize disruption for passengers in low-rise hydraulic elevators. Our automatic emergency lowering system is always on duty. When a power outage is detected, the system automatically takes control.



Schindler's emergency lowering system for hydraulic elevators helps to prevent passenger entrapments during power outages.

### Entrapment prevention

The emergency lowering system is designed to immediately detect the loss of standard power. When this happens, it automatically cancels any floor calls. Then, using standby battery power, it safely lowers the elevator to the lowest landing and opens the car door. Rather than being inconvenienced for an indeterminate period of time, passengers are allowed to exit the car within seconds. The car is then placed out of service pending restoration of normal electrical service.

### Other power outage situations

In the event of a power failure, it's important to have a plan in place for the safety and comfort of your elevator passengers. In addition to an emergency lowering system for hydraulic elevators, you should consider a hands-free auto-dial emergency telephone system. And, to keep your passengers from being left in the dark, an automatic emergency lighting system. If your property has emergency generators, we can also interface the elevators with that system to allow limited usage during power emergencies.

Your Schindler representative can give you full details on our emergency lowering system and other smart upgrades that can help you be ready whenever a blackout occurs.

KT  
Kits

AC  
Accessories

CW  
Counter-weights

SA  
Safeties

FI  
Fixtures

CA  
Cars

DO  
Doors

MM  
Mechanical material

CO  
Controls

DR  
Drives



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### System summary

- The system reacts automatically if power fails for more than five seconds (unless power is deliberately cut by service personnel by manual operation of the main feeder disconnect).
- Using backup battery power (included with the system), all calls are cancelled and the car is lowered to a pre-determined (typically the lowest) landing, and the doors are opened for 30 seconds.
- When normal power is restored, the system will automatically disconnect its power from the controls and sends a signal to the controller that the line power is restored.
- A normally open auxiliary contact of the main feeder disconnect must be provided by the customer.

For further information, including location of the Schindler office nearest you, please contact:

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Schindler has received renewal to ISO 14001:2004 and ISO 9001:2008 certificates.



Schindler is a member organization of the U.S. Green Building Council.



Schindler prints with vegetable-based ink on paper containing post-consumer waste fiber.