

HAPS

HAPS Hydraulic Rescue Unit

Motion Control Engineering, Inc. (MCE)

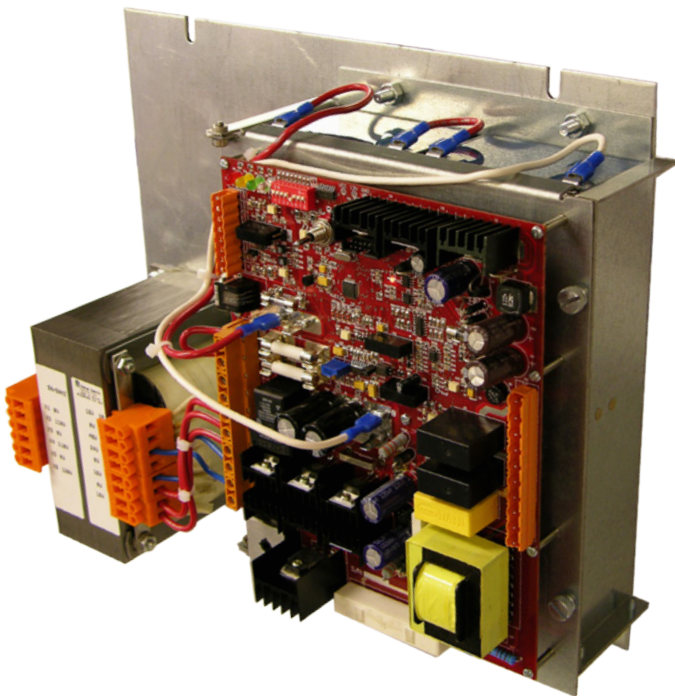
CONTROL PERIPHERALS

HAPS Automated Passenger Rescue

The MCE **Hydraulic Auxiliary Power Supply, HAPS**, provides automated rescue of trapped passengers in the event of a commercial power failure. HAPS is optional with Motion Control Engineering hydraulic controllers like the Motion 2000 and Element Hydro®.

HAPS monitors commercial power to the controller. If commercial power should fail, HAPS provides power to lower the hydraulic elevator safely, delivering the elevator car to a landing and maintaining door power so passengers can exit. In discrete mode, HAPS shuts down after a timer expires to conserve battery power and prevent battery damage due to excessive power drain. In CAN mode, “intelligent rescue” shuts HAPS down immediately upon rescue completion, providing optimal battery conservation and protection.

Once a rescue operation has begun, HAPS will complete the rescue cycle regardless of commercial power status. This prevents “start and stop” due to unstable commercial power delivery.



BENEFITS

- Safely release entrapped passengers in power-out conditions
- Land the car accurately without direct observation
- Powers doors for passenger exit
- Dual-purpose transformer serves HAPS requirements and normal controller transformer requirements

FEATURES

- CAN or discrete interface
- Programmable operating timer

ADVANCED FEATURES — CAN INTERFACE

- Remote rescue operation test
- Battery voltage monitoring
- Advanced diagnostics
- Intelligent rescue cycle

SPECIFICATIONS

- Input: Single-phase, 120/240VAC, 50/60Hz
- Normal Output: Same as input
- Emergency Output: Single-phase, 120/240VAC, 50/60Hz

COMPLIANCE

- CSA B44.1/ASME A17.5