Elevator control panelboard

Eaton's elevator control panelboard is designed to meet the stringent requirements mandated by multiple building codes. These codes are designed to provide fire protection and safety within elevator shafts. The elevator control panelboard takes the guesswork out of code compliance with respect to the electrical components and electrical communications systems.

When installing the electrical feeders for elevators, one must be aware that multiple building codes cover elevator installation. These include:

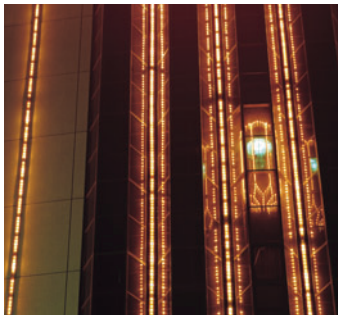
- NFPA® 70 (National Electrical Code®)
- NFPA 72 (National Fire Alarm Code)
- ANSI/ASME A17.1 (Safety Code for Elevators and Escalators)
- NFPA 13 (Installation of Sprinkler Systems)

In addition, state, local and/or government agencies may have additional code requirements for elevators. The elevator control panelboard offers factory-installed options to meet all code requirements. Be sure to check with your local jurisdiction.

The elevator control panelboard is ideal for installations with a single feeder to multiple elevators within the same elevator core. Built on the time-proven Cutler-Hammer® Pow-R-Line 4F panelboard chassis, panel installation is very similar to a standard power panelboard.

Standard features

- 30–200A, 240 Vac and 600 Vac fused switch to feed the elevator
- 200,000A rms short-circuit current rating
- 120 Vac shunt trip
- Control power terminals
- Ground termination
- Class J fuse clips (fuses not included)
- 120 Vac key test switch
- 1NO and 1NC 120 Vac class mechanically interlocked auxiliary contact for hydraulic elevators with automatic recall



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Optional features

- Fused control power transformer
- Fire safety interface relay
- ON pilot light
- Isolated neutral termination
- Optional 200% isolated neutral termination
- Fire alarm voltage-monitoring relay (monitoring shunt trip voltage)
- NEMA® Type 1 or 3R enclosure

Standards

- UL® 67 listed panelboard
- UL 50 listed enclosure
- UL 98 listed fusible elevator control switches

Space savings

When compared to installing multiple traditional loose breakers or fusible switches feeding elevators, the elevator control panel can save space and installation time while meeting the mandated code requirements. The compact design eliminates wire trough and taps for multiple elevator feeder connections. One simple panelboard does it all.

Ample space is provided for power and control wiring. All terminations are well marked, and wiring diagrams are provided with the panelboard.

Selective coordination

The elevator control panelboard has superior selective coordination properties. When paired with the appropriate upstream fuses, the elevator control panelboard can selectively coordinate with higher fault current levels. All fuses must be of the same manufacturer. Consult the specific fuse manufacturer's data for selective coordination values.

Custom assembly on your schedule

The elevator control panelboard is built to your specific needs. Our experienced team has the ability to customize your elevator control panelboard and other distribution equipment and deliver it to you on time through one of our highly responsive Satellite plants.

For more information, please visit us at www.eaton.com.

Elevator Control Panelboard

Shows control and power for a bank of four elevators.

Elevator Control Panelboard

Ample space is provided for power conductors and control wiring.

Elevator Control Panelboard

Breaker-based fusible disconnect switch. Factory-installed control wiring.

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