

Elevator controller

TAC32T slim



thyssenkrupp



A compact and feature-rich digital controller

thyssenkrupp Elevator's new TAC32T slim controller is easily installed in a wall jamb or controller closet in required jurisdictions. It's reduced in size but maintains the reliability, safety and efficiency of our existing TAC32T controller.

The TAC32T slim uses SIL3-rated safety electronics to replace traditional electromechanical safety devices. It allows the elevator to operate quietly and more reliably. The controller's accessibility makes it easy to maintain and adjust.

A regenerative drive, which comes standard, captures unused energy and feeds it back into your building grid. It includes an automatic rescue system to transport passengers to the next available floor during a power failure.

The controller's absolute positioning system precisely measures speed and positioning to ensure accurate floor leveling and passenger safety.



Performance



Safety



Code



Aesthetics



Sustainability

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Energy efficient

- Meets ISO 25745 Class A energy efficiency rating
- Fully regenerative drive – feeds power back into the building grid
- Controller standby power – reduces the power consumption when the elevator is not used
- Auto fan-light shutdown – powers off the fan and light when not in use

Standard features

- Electronic auto-rescue
- Solid state brake controls
- 100% digital controls, making it the quietest MRL controller
- Nonproprietary user interface tool (UIT) provides unrestricted access for on-board adjusting and troubleshooting, keeping troubleshooting calls short
- Does not require a control closet unless local jurisdictions require it. Controller can fit inside an 8-inch door jamb located on the top landing
- Serviceability is easier because all drive adjustments can be performed using the intelligent management system (IMS) or UIT at top landing access panel

Quick installation

- Identical controller platform across all product lines
- Field wiring easily interfaces into one main control panel with intuitive color-coded connectors and micro-wiring instructions
- Simplified hall fixture wiring uses modular pluggable cable
- Universal remote I/O car boards provide 16 discrete I/O with the option to add more

Applications

Low- and mid-rise buildings

Configuration

Simplex, duplex or group operation

Compliance

- ASME A17.1 code
- IEEE 519 compliant
- ETL certified to ASME A17.5-2014/CSA B44.1-14; thyssenkrupp Elevator Health, Safety, and Environment Guideline; and ISO 25745-2:2015 rating



Specifications

In-wall controller style	TAC32T slim. Used for evolution 200 and synergy building supported – performance series only
Maximum car speed	600 fpm (3 m/s)
Maximum travel	350 ft (107 m)
Motor control type	Regenerative fully digital VVVF
Positioning system	Sensing of car position performed by an absolute position system, which consists of an encoded tape that stretches the length of the hoistway and a dual sensor mounted on the car that reads the tape. Interfaces for the absolute position system will be provided.
Diagnostics and adjustment tools	UIT/IMS laptop
Environment	Operating temperature 32° – 104°F (0° – 40°C)
Standard enclosure	84" (2134 mm) tall and fits in an 8" (203 mm) wall jamb. Also, available in control closet version: 27.07" (688 mm) wide, 12.80" (325 mm) deep, 84.79" (2154 mm) high
Power supply	208V, 240V, 480V ±10% nominal voltage, 50–60 Hz, three-phase
Optional features	<ul style="list-style-type: none"> • AGILE – Destination Controls • AGILE – Design Center • AGILE – Security Access • AGILE – Management Center • Code Blue • Hospital Emergency Service • Infant Security • Emergency Power • Tenant Security

For more information, visit <http://www.thyssenkruppelevator.com> or contact your sales representative.