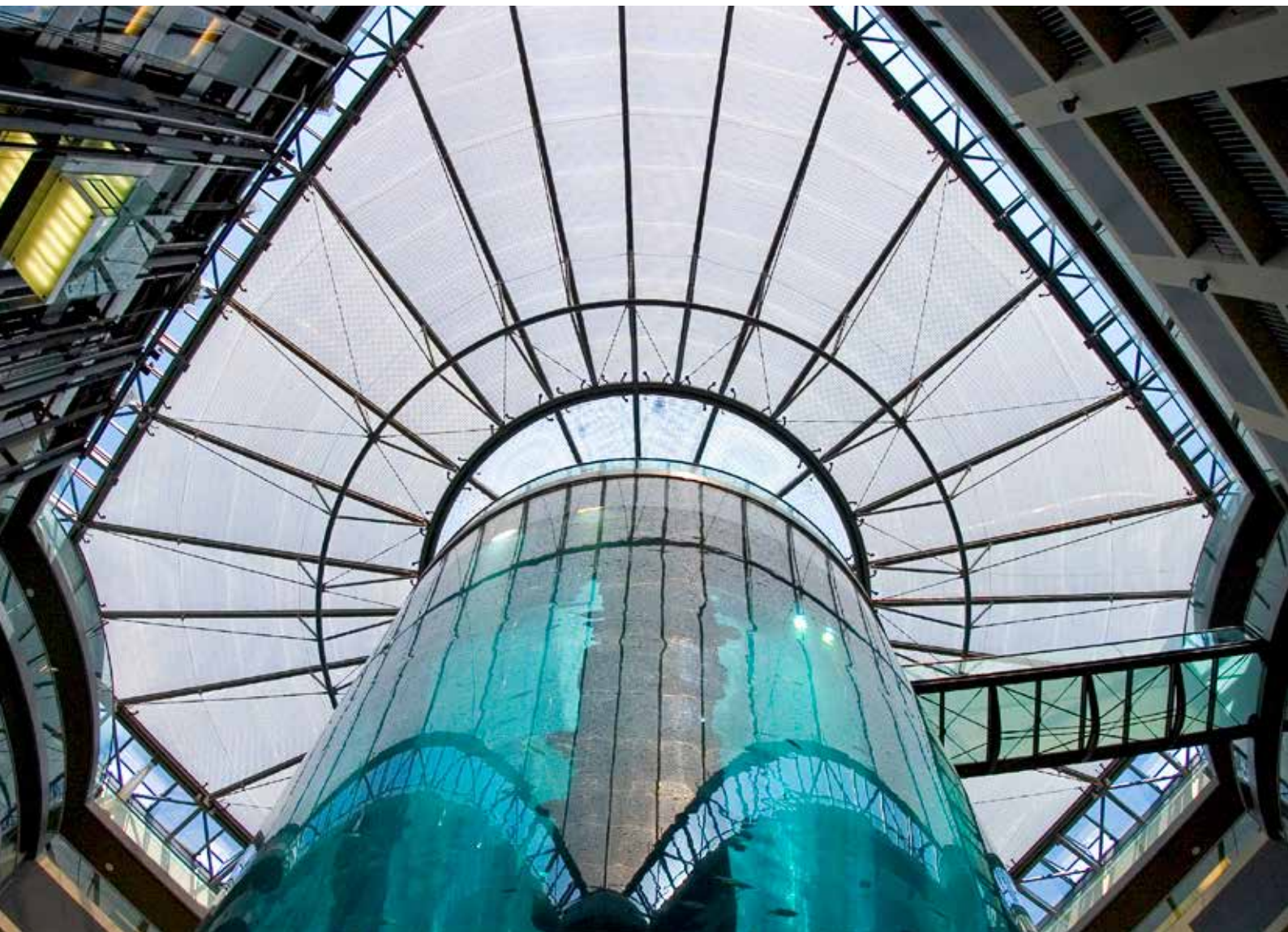


FST-2XTs

# LIFT CONTROL SYSTEM

Unlimited performance in the smallest possible space





**NEWLIFT**  
NEUE ELEKTRONISCHE WEGE

## INVENTOR SINCE 1986

The custom tailor among the control system suppliers

**T**hough just three letters, it heralded the advent of a revolution: SST. Hidden behind it was the first system in the industry that was immediately ready for operation (Plug & Play) – a multiprocessor control system with diagnostics via LEDs. This invention in 1986 was the starting shot for our company – and for many innovations and further developments which our customers profit from. This includes not only small- and medium-sized lift manufacturers but also global corporations that want to use our control systems in their lifts. As the largest independent supplier in Germany (165 employees), we are specialized in tailor-made, customer-specific products. And now for home lifts as well. With our ELEVISION 4.0 multifunctional cloud platform, our engineers and developers are once again breaking new technological ground.

## NEW LIFT CONTROL SYSTEMS

NEW LIFT has for years been known for its innovative control systems.

Why should you consider selecting a NEW LIFT control system as well? The answer is easy:



### FLEXIBILITY

NEW LIFT control systems are based on bus technology. This enables flexible use for every lift: from a single lift with two floors to up to groups of eight high-performance lifts with as many as 64 floors.



### INDIVIDUALITY

From special software programming (special solutions) to individually developed hardware (special control systems); everything is possible.



### PLUG & PLAY

With pre-assembled components and the systematic use of bus technology, you achieve the shortest possible installation times with NEW LIFT products.



### KNOW-HOW

NEW LIFT has over 20 years of experience in the area of control systems.



### INNOVATIONS

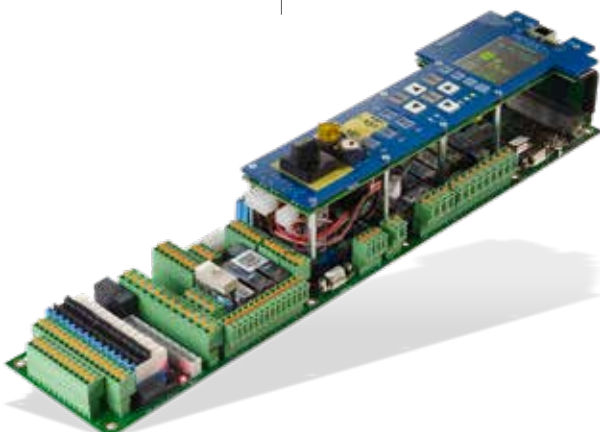
We are constantly developing our products further so that you can profit from the latest solutions.



### QUALITY

Quality has top priority with us as only flawless components guarantee high-quality end products.

LIFT CONTROL SYSTEM  
FST-2XTs



## ALWAYS COMPATIBLE

Whether just the lift control system or everything from a single source: NEW LIFT keeps all of your options open.

Compatibility is of utmost importance during the development of all NEW LIFT products. The centrepiece is the FST-2XT lift control system, which, with the modular bus system, can be combined with various NEW LIFT components and components from other suppliers. Whether just the lift control system or everything from a single source: NEW LIFT keeps all of your options open. From landing call modules to position indicators to speech output, NEW LIFT offers a range of components that guarantee short installation times through optimum compatibility with the FST-2XT controller.

NEW LIFT has also established itself in recent decades in the area of lift monitoring and offers various systems.



Unlimited performance in the smallest possible space

# LIFT CONTROL SYSTEM FST-2XTs



The slim version of the proven NEW LIFT control system was developed especially for use in door frames. This is made possible by its extremely narrow width of just 106 mm (mounting plate 120 mm).

In addition, all FST-2XTs operating elements are designed with respect to size and position so as to facilitate easy operation through small access openings.

## MAIN FEATURES

- **Low space requirements:**  
The FST-2XTs (eXtended Technology slim line) was developed especially for installation in door frames. Its slim construction is, however, also ideally suited for other lift concepts where there is no machine room.
- **Small but powerful:**  
The narrow design was implemented without sacrificing performance. Compared to the FST-2XT, the FST-2XTs offers even more functions.
- **Group functionality:**  
Just like FST-2XT, the FST-2XTs can control groups with up to eight members when expanded with a group controller circuit board.
- **Installation options:**  
Mounting plate for door frame installation, surface-mounted control cabinet (control cabinet column), flush-mounted control cabinet

## FST-2XTs SPECIFICATIONS

The FST-2XTs features the same specifications, functions and special functions as the FST-2XT. For instance, the FST-2XTs can also control groups of up to 8 lifts and 64 floors. Please refer to the FST-2XT brochure for detailed information. In addition to the corresponding functions of the FST-2XT, the FST-2XTs has the following special features:

### PIEZO BUZZER

The integrated piezo buzzer provides warning and confirmation signals for critical states as well as for various test drives.

### EMERGENCY MODE MONITOR

The emergency mode monitor integrated in the TFT display shows all relevant information of the car should it be necessary to evacuate passengers:

- Physical direction
- Position, relative to the floors
- Speed
- Door unlocking range
- Closest floor

### COMPATIBILITY

The FST-2XTs is compatible with all FST-2 components. The same terminal assignments as the FST-2s are used.

### INTEGRATED SPECIAL FUNCTIONS

In addition to the special functions available in the FST-2XT, the FST-2XTs also makes possible the following special functions:

#### EBS assistant

(levelled evacuation stop assistant)

- In case of a manual electrical evacuation, the lift automatically stops levelled at the next floor.

#### FAT assistant

(speed governor test assistant)

- With the FAT Assistant test function, the speed governor is activated automatically. This triggers the safety gear at a preselected shaft position and facilitates easy removal of the test weights from the car.



### FOR MACHINE ROOM-LESS CONCEPTS

Its small dimensions alone make the FST-2XTs perfect for use with systems designed without machine rooms. The FST-2XTs also features an integrated lift attendant panel. The operating unit including emergency mode monitor provides all functions needed by the lift attendant to perform a passenger evacuation or for test drives.

The integrated lift attendant panel has the following operating elements:

- On/Off evacuation switch for passenger evacuation
- Brake release button for brake A and B
- Auxiliary mode Up/Down
- Key switch for brake test and shaft door reset
- Voltage-free programmable button (default configuration as anti creep device).

## TECHNICAL DATA

### FST-2XTs

Dimensions (L x W x H)	500 x 106 x 101 mm
Supply voltage	24 V DC (+/- 10%)
Power consumption	400 mA

### CONTROL CABINET

Dimensions (L x W x H)	1,950 x 160 x 120 mm
Model	Powder-coated RAL 7035, stainless steel V2A grain 240 Other models on request
Base	50, 100 or 150 mm

### STRUCTURE

The power unit, e.g., frequency inverter or soft starter, is located near the drive. Innovative solutions, located - in among other places - above the door transom, allow the control system as well as power unit components to be used in very tight spaces. During installation, there are various possibilities for placing the control cabinet.

### POSSIBILITIES

The FST-2XTs can be delivered in three different types of control cabinet:

#### 1 | Mounting plate for door frame installation

Major lift door manufacturers offer shaft door frames for the installation of the corresponding mounting plate delivered with the FST-2XTs controller. The three-part structure of the frame is divided into the following access levels:

- Press-fit frame cover
- Cover plate
- Frame

If the press-fit frame cover is taken off and the doors are closed, the following actions are possible: Passenger evacuation, various tests for authorised personnel, changing of parameters in the FST-2XTs and frequency inverter via DCP or CAN, inspection of the safety circuit, as well as other safety components and turning off the complete

installation. The cover plate protects against directly touching electrically live parts. If this plate is removed, the components contained therein can easily be replaced or connected. This plate can only be removed if the shaft door is open.

The space gains are clear. The frame variant is a true machine room-less solution as all lift components are located in the lift system with no compromises in accessibility or operability compared to conventional MRL controllers.

The control system is delivered without frame due to the easy installation of the mounting plate on site by the lift engineer.

#### 2 | Surface-mounted control cabinet

The surface-mounted variant is ideal for installation between door jamb and frame. Due to the small dimensions of the control cabinet, it can be placed directly on the door frame.

The surface-mounted control cabinet can, of course, also be installed anywhere else near the shaft where the required space is available. Thanks to the small dimensions of the control cabinet, this variant is also suitable for modernisations in which the machine room is dispensed with. Various sizes of base and cover allow for a uniform finish to floor and wall.

The special latch lock with replaceable half-profile cylinder ensures secure closure of the control cabinet, even without a key. Generous cut-outs offer enough room for easy cable insertion in the base, cover and back plate.

#### 3 | Flush-mounted control cabinet

The control cabinet can also be mounted in the wall. Thanks to the press-fit door and the surrounding frame, no cover is necessary as a transition to the wall.

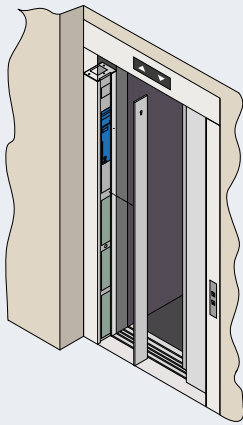
Due to the small dimensions of the control cabinet, no large opening needs to be provided in the wall. This control cabinet thereby offers flexibility and is not fixed to a shaft door. An opening in the wall near the shaft is sufficient.

With these control cabinet variants, numerous possibilities are available for realising lifts without machine rooms.

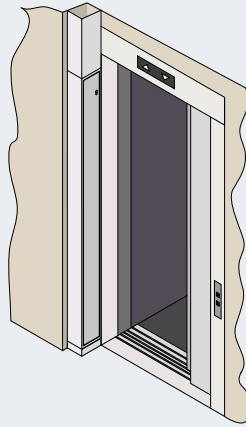
The FST-2XTs can also be used for modernising existing third-party door frame control systems. Cost reductions, transparency, individual configuration and much more are thereby guaranteed for the lift system.

Please contact us to assist with your individual planning of positioning, modernisation as well as adaptation of the electrical system components.

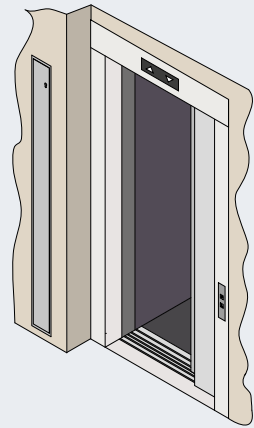
# STRUCTURE



DOOR FRAME

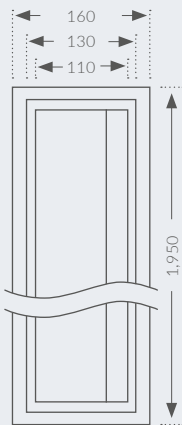
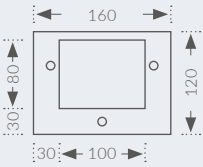


SURFACE-MOUNTED

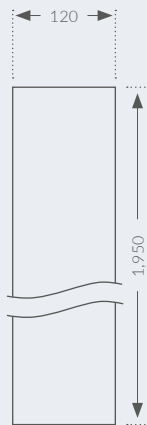


FLUSH-MOUNTED

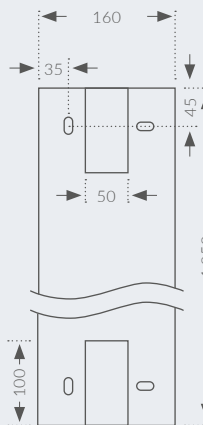
## CONTROL CABINET DIMENSIONS FOR SURFACE-MOUNTED AND FLUSH-MOUNTED CONTROL CABINET



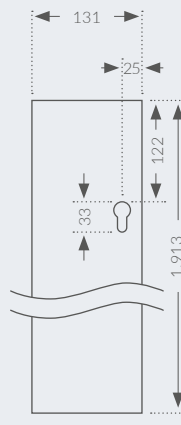
FRONT VIEW



SIDE VIEW

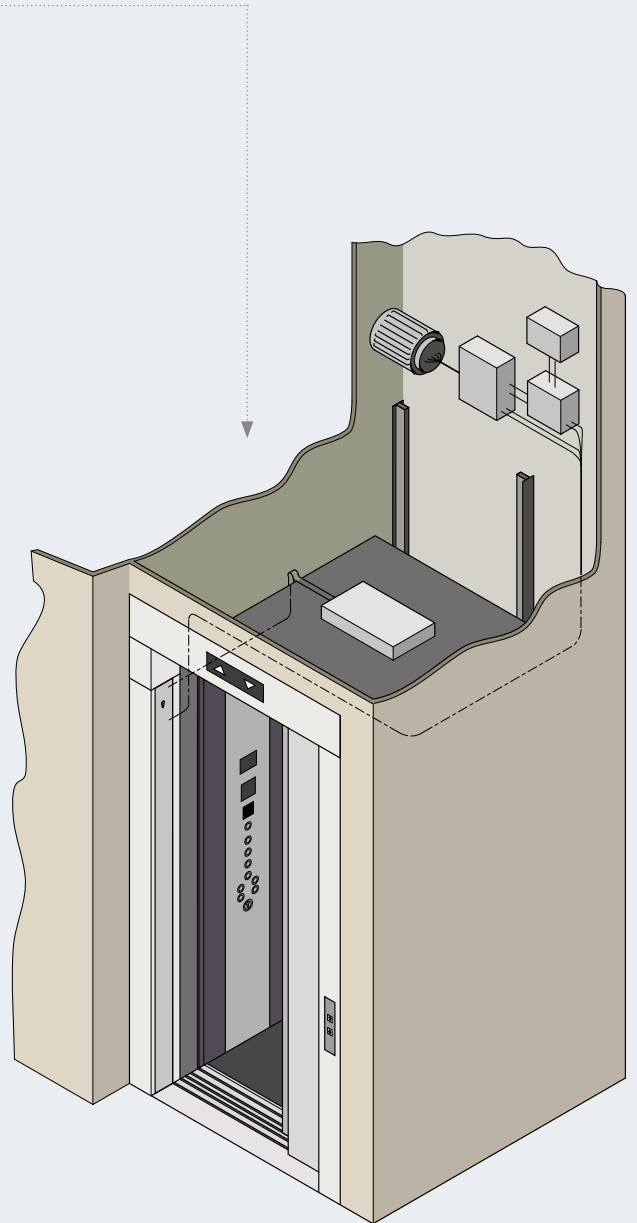


REAR VIEW



PRESS-FIT DOOR

## POSSIBLE POSITIONING OF THE LIFT COMPONENTS



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