

ECO

HOME LIFT CONTROL SYSTEM

Proven NEW LIFT technology – now for home lifts as well





NEWLIFT
NEUE ELEKTRONISCHE WEGE

INVENTOR SINCE 1986

The custom tailor among the control system suppliers

Though 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 the ECO end-user app, our engineers and developers once again open new technical horizons.

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 solutions to individually developed hardware (special control systems): everything is possible.



PLUG & PLAY

With pre-assembled components and easy and intuitive operation/error diagnostics as well as the systematic use of bus technology, you achieve the shortest possible installation times with NEW LIFT products.



KNOW-HOW

NEW LIFT has over 30 years of experience in the area of control systems.



INNOVATIONS

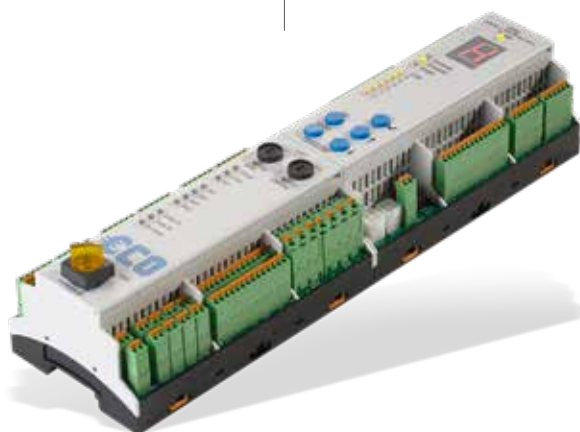
We are constantly developing our products further so that you can profit from the latest solutions.



QUALITY

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

HOME LIFT
CONTROL SYSTEM
ECO



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.



Proven NEW LIFT technology – now for home lifts as well

ECO HOME LIFT CONTROL SYSTEM



Performing big in small applications. The ECO home lift control system from NEW LIFT builds on our more than 30 years of industry experience. This can be used to simplify the control of cable or hydraulic lifts with up to six floors.

Because the ECO home lift control system is equipped with a decentralised LON bus architecture, it is compatible with most LON bus modules of the FST family. It does, of course, also satisfy the safety requirements for the construction and installation of lifts (DIN EN 81-41). Both manual and automatic operation are possible. Good to know: thanks to the certified door monitoring, shafts with reduced protected areas can easily be implemented. And, with the advent of the smart home era, the corresponding MyECO app ensures that the lift can conveniently be operated remotely for the four walls of one's home via mobile devices.

MAIN FEATURES

- **Type-tested in accordance with EN 81-41:** developed and type-tested for slow-moving home lifts with or without car doors.
- **Compact:** special compact design for machine room-less applications with all functions onboard.
- **Outstanding price-performance ratio:** cost-effective design with integrated safety circuit bypass control, auxiliary mode control, remote triggering of the regulator and manual evacuation.
- **Quick installation:** prefabricated and pluggable with cable harnesses for shaft and car.

ECO BASIC

without car door

- Up to six floors in push-button mode
- Safety circuit 24 V
- Landing call acknowledgement as “lift here”, “occupied” and “fault” display
- No car door, monitored light curtain
- Shaft swing doors with fixed retiring cam and zone switching onboard
- Contactor and runtime monitoring
- Landing calls are processed automatically
- Car calls are processed in dead man operation
- Magnetic positioning with level switch and correction switch
- Zone switching for bridging the fixed retiring cam in the door zone area
- Landing calls via flat cable
- Monitoring of shaft doors, shaft pit and car roof
- 10 freely programmable I/O ports
- Two drive controls: cable drive with frequency inverter, hydraulic drive with star/delta or soft start

ECO PREMIUM

with car door

- All features of ECO Basic
- Landing calls optionally via LON bus with ADM-3
- Position indicator optionally as EAZ-256/64 or EAZ-TFT 110
- Car calls optionally via LON bus with EAZ-TFT 110 position indicator
- Energy-saving mode for optional position indicators
- Voice message via SAM speech computer or integrated in the EAZ-TFT 110 position indicator possible
- Shaft swing door with locking solenoid control possible
- Shaft sliding door (telescopic door) possible
- Automatic door control possible

TECHNICAL DATA

Dimensions (L x W x H)	385 x 85 x 70 mm
Supply voltage	24 V DC +/- 10 %
Power consumption	150 mA
Parameter set	32x, can be set without programming device
Controller states	22x, displayed via 7-segment display
External bus (optional)	LON bus



TYPE-TESTED TECHNOLOGY

Compact electronics part for top hat rail mounting with type testing in accordance with Machinery Directive and EN 81-41. The following components and functions are integrated:

- 7-segment display for troubleshooting and programming
- 5-button keypad for programming, call input, manual operation, remote triggering of speed limiter and evacuation
- LEDs for calls, safety circuit, load scale, shaft positioning system and zone switching
- Fuses for 230 V and 24 V safety circuit

MANUAL OPERATION AND AUTOMATIC OPERATION

In automatic operation, car and landing commands are processed automatically. Manual operation is activated by the illuminated dial on the electronics part and enables manual drives using the control system.

INSPECTION CONTROL ON THE CAR

Inspection operation is automatically activated by the integrated monitoring of the shaft door emergency releases and can only be reset from the control cabinet. As a result, shaft heads with reduced protected areas can be implemented without problem.

MONITORING OF THE SHAFT PIT

The emergency release of the bottom shaft door is monitored separately. As a result, shaft pits with reduced protected areas can easily be realized.

MANUAL AND AUTOMATIC EVACUATION

In the event of a power failure, passenger evacuation is performed manually using the supplied UPS. An automatic rescue drive with automatic door opening can optionally be performed in the event of a power failure.

QUICK INSTALLATION

- Pluggable travelling cable
- Pluggable panels
- Prefabricated cable sets for shaft and car
- Prefabricated jumper set for installation drives
- Preset parameter set
- Just two or four magnet switches necessary

OUTSTANDING COST-PERFORMANCE RATIO

Proven NEW LIFT technology at a sensational price!



For all
mobile
end devices

MyECO – the convenient mobile app



HOME LIFT REMOTE CONTROL WITH EASE

The ECO is optionally available with the MyECO operator app.
It is used, for among other things, for remote operation and configuration.

- **Remote control of the lift via WLAN:**
call, send, remote shutdown
- **Status messages:**
location of the car, door open/closed, etc.
- **Webcam view**
of the lift
- **Switch the car on/off**
- **Block and release floors**
- **Service area for technicians:**
the app also allows the lift technician to use a password to access detailed diagnostics, download and upload parameters, easily configure, archive parameters and much more.

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