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vertical intelligence



Hallmarks

Hallmarks

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Ease of operation

Liftern controllers are designed to be taken to operation in the shortest time. They should just be plugged in. This is managed by our system design as well as quick installation guides available inside each controller. Our smart packing and QR code system facilitates your logistic process as well.

Quality

Liftern Analytics is the core of quality assurance system. Each controller is physically and functionally tested after production. The test goes beyond just motor connection; down to auto-tuning and even indicator compatibility. The resulted production quality complies with the latest international quality standards.

Flexibility

Our standard models are designed to support by default most common machines, doors, indicators available in market. Our tailor-made controllers also available to support the most different scenarios and country specific features, functions. Just name your scenario, and leave the rest to us.

Exceptional Customer Service

Liftern After-Sales Department is the central contact for any technical queries. The philosophy is simple: "focusing over service" before anything else. Your expectation is what the most matters. That is why the most attentive, unbureaucratic, proactive, and friendly assistance is provided any time you need it. Our service professionals are available on live support by hotline, online and in field when needed.



Liftern is an expert company in designing and producing lift controllers. The principal mission of the organisation is to create modern, accurate and cohesive controller solutions for international lift industry. With an experience over 10 years, Liftern's engineering team designs optimum controllers bringing together the state-of-art technology and handcraft.

In Liftern, a lift control solution is available for every imaginable application; from a standard lift, to the requirement of most demanding and individual project. All demands are conceived carefully and designed down to the last detail.

Flawless application of EN standards is one of the basic hallmarks of Liftern's philosophy. The controller system is produced in convenience to the respected regulations and keeping in mind easiness of verification during commissioning. Where applicable, local regulations are also perceived and examined carefully then reflected onto the controller.



There are more than 75 different component types in a standard lift. They all need to work in perfect harmony to in order to carry the passenger to the desired floor. The timing, extend of function and synchronisation are mandatory for this mission. That is why, a complete maestro is crucial to conduct all these components; the controller.

In this sense, we named our models after famous composers and maestros of all times. Just like these maestros conducted large orchestras and created timeless masterpieces, each Liftern controller is explicitly produced for conducting all components in an elevator, governing and monitoring them to achieve their desired functions. We assure the harmony of " Four Seasons"!



Your Benefits

- Zetadyn (German) inverter
- Direct landing
- Flawless ride comfort
- Can-Bus Communication
- Easy start-up

Strauss offers state-of-art ride comfort and functionality for traction lifts without machine room. It combines high-end drive technology with rich lift func

Technical Data

- ARL 700 processor
- Ziehl-Abegg Zetadyn inverter
- Schneider D series contactors
- 0,25 - 4 m/s speed range
- Gearless & Gearbox motor support
- EN 81-20 compatible
- 64 stops support
- Can-Bus communication
- Upto 8 lifts group operation
- IEC compatible printed wire harnessing
- Programmable I/O's for flexibility
- Call cancellation
- **evaq+** Emergency Landing System (optional)

Your Benefits

- Zetadyn (German) inverter
- Direct landing
- Flawless ride comfort
- Can-Bus Communication
- Easy start-up
- Half height cabinet for machine room

Strauss MR is the machine room compatible version of Strauss series. It features the same features of his bigger brother in a half height cabinet with floor standing or wall hanging options.

Technical Data

- ARL 700 processor
- Ziehl-Abegg Zetadyn inverter
- Schneider D series contactors
- 0,25 - 4 m/s speed range
- Gearless & Gearbox motor support
- EN 81-20 compatible
- 64 stops support
- Can-Bus communication
- Upto 8 lifts group operation
- IEC compatible printed wire harnessing
- Programmable I/O's for flexibility
- Call cancellation
- **evaq+** Emergency Landing System (optional)





Your Benefits

- Integrated processor & drive
- Programmable I/O's
- Can-Bus communication
- Easy start-up
- Internet monitoring

In some projects, the basics are just not enough. Amadeus controllers offer a rich functionality with good level comfort for for a decent price.

Technical Data

- Arcode processor & inverter
- Schneider D series contactors
- 0,25 - 4 m/s speed range
- Gearless & Gearbox motor support
- EN 81-20 compatible
- 64 stops support
- Can-Bus communication
- Upto 8 lifts group operation
- Weidmüller terminal - relay set
- IEC compatible printed wire harnessing
- Programmable I/O's for flexibility
- Call cancellation
- **evaq+** Emergency Landing System (optional)



Your Benefits

- Integrated processor & drive
- Programmable I/O's
- Can-Bus communication
- Easy start-up
- Internet monitoring

Programmable inputs & outputs gives possibility for project specific functions and flexibility. Internet monitoring function enables interacting with controller and monitor it remotely at all times.

Technical Data

- Arcode processor & inverter
- Schneider D series contactors
- 0,25 - 4 m/s speed range
- Gearless & Gearbox motor support
- EN 81-20 compatible
- 64 stops support
- Can-Bus communication
- Upto 8 lifts group operation
- Weidmüller terminal - relay set
- IEC compatible printed wire harnessing
- Programmable I/O's for flexibility
- Call cancellation
- **evaq+** Emergency Landing System (optional)



Liftern Analytics

One of basic hallmarks of all our products is the testing procedure called "Liftern Analytics". Each controller is tested systematically in 10 steps:

- Hardware installation test
- Deactive wiring test
- Active wiring test
- Revision speed test
- Programmable I/O test
- Auto-tuning
- Close-loop full speed test
- Automatic rescue system test (if applicable)
- Lift simulation test
- COP and LOP test

In this sense, the controller is ready for start-up in your lift, free of all human or hardware originating faults.



You just plug in a TV. Why not a lift controller?

The most difficult part of lift installation has always been the controllers and wiring harness. The compatibility of inverter and motor, proper connection of cables and wires, adjustment of parameters, inconsistent electric schemes are some of the most frequent headaches. Many different components available in the market make it even more confusing. In Liftern, the set-up processes are designed to be as short and easy as possible. When bought as a set with motor, fixtures and prewiring, each part is verified and tested for harmonious functionality before dispatching. The controller and drive are auto-tuned, synchronized, all prewiring harness are prepared by sockets in order to minimize the installation work. Built-in diagnostics guide the installer to prevent any mistakes. Moreover, understandable guidelines and installation manuals are enclosed in order to facilitate the adjustment and activation of lift functions.



Your Benefits

- Integrated processor & drive
- Service controller in or at the front of door frame
- Programmable I/O's
- Canbus communication
- Easy startup

Amadeus Split is a modular controller with separate service & shaft cabinets. Sharing the same specifications with her brother Amadeus, it also features a very small land print of controller cabinet on floor with either a narrow cabinet in door front or even by hiding the service cabinet inside door frame thoroughly.

Technical Data

- Arcode processor & inverter
- Schneider D series contactors
- 0,25 - 4 m/s speed range
- Gearless & Gearbox motor support
- EN 81-20 compatible
- 64 stops support
- Can-Bus communication
- Upto 8 lifts group operation
- Weidmüller terminal - relay set
- IEC compatible printed wire harnessing
- Programmable I/O's for flexibility
- Call cancellation
- **evaq+** Emergency Landing System (optional)

Your Benefits

- Very easy installation
- Cost effective
- EN 81-20 and machine directive compatibility

Ravel is an effective solution for an hydraulic lift application. Just name your hydraulic unit. We will do the rest for you.

Technical Data

- ARL700 processor
- Schneider D series contactors
- 0,2-0,63 m/s speed range
- For hydraulic
- EN 81-20 compatible
- Up to ?? stops (64 stops support) Hidrolikte yazmayalım ???
- Can-bus communication
- Up to 8 lifts group function
- Weidmüller terminal-relay set
- IEC compatible printed wire harnessing
- Programmable I/O's for flexibility
- Call cancellation
- Automatic rescue system/UPS (optional)





Your Benefits

- Very easy installation
- Cost effective
- A3 Compatibility

Designed for VVVF traction lifts with gearbox machines, Wagner is a simple and economic controller system. It is available as a set with halfway box and pit controller unit. Its ergonomic cabinet can be used on the floor or mounted on the wall of machine room.

Technical Data

- ARL300 processor
- Adrive Invertor
- Schneider D series contactors
- 0,5-1,6 m/s speed range
- For gearbox machines
- EN 81-1 A3 compatible
- Up to 16 stops down collective, 9 stops full collective (extension to 24 stops)
- Serial communication
- Up to 4 lifts group function
- Weidmüller terminal-relay set
- IEC compatible printed wire harnessing
- **evaq+** Emergency Landing System (Optional)



Your Benefits

- Very easy installation
- Cost effective

Puccini is a basic and cost effective controller, where rock solid functioning is needed for two-speed machines. It is easily installable for new or modernization projects.

Technical Data

- ARL300 processor
- Schneider D series contactors
- 0,5-1 m/s speed range (??? Çiftız)
- For AC2 (two speed) machines
- EN 81-1 compatible
- Up to 16 stops down collective, 9 stops full collective (extension to 24 stops)
- Serial communication
- Up to 4 lifts group function
- Weidmüller terminal-relay set
- IEC compatible printed wire harnessing
- ILS Emergency Landing System (Optional)

Fixtures

LARGE SCALE
INDICATOR MODULES

MEGA7



Car operation panels, landing operation panels and door top indicators are inseparable parts of a lift electrical system. They are the visual side of the world behind and also fundamental human interfaces in lift. That is why, we pay a particular importance on these components. Liftern features various models for each taste and lift, but they all share a common point; perfect integration with lift system. You will just plug them in...

Description

MEGA7 is brand new all in one elevator floor position indicator solution. 24x16 LED matrix, 7 segment LED or 7" color TFT display options available. The compact design of the indicator module has all the necessary components to comply with EN81-20, EN81-28, EN81-70 standards.

Features

- Integrated voice announcer
- Dual speakers + dual microphones
- 9.9mm surface mounted
- Parallel & Serial connection
- EN81-70, EN81-28, EN81-20 compliant
- 40 mm arrow height
- Custom ID plate with laser marking
- Decorative surface finishes available



MLD series car operation panels are a perfect match for any cabin. Thanks to 9,9 mm depth, they adapt well to both surface mounted and flush requirements. Double color button leds, feature rich indicator choices, decorative stainless steel options and premium electronics make this model a fundamental part of your lift electrical kit.



GKC-1



GKC-17



GKC-1D



GKC-1T



GKC2-27



GKC2-2D



POV-1D



POV-17



POV-2D



POV-27

MLD series car operation panels are a perfect match for any cabin. Thanks to 9,9 mm depth, they adapt well to both surface mounted and flush requirements. Double color button leds, feature rich indicator choices, decorative stainless steel options and premium electronics make this model a fundamental part of your lift electrical kit.



GKC-DT



GKC-DD

Shaft harness with plugs

Liftern Shaft Harness is produced completely in house premises according to the requirements in real shaft environment.

Each segment of harness is available in 3 meters, 5 meters and 10 meters models. Depending on the specifications and measurement of the project shaft, the corresponding models are chosen in required quantities.

All the cables and wire sets have labels on them showing where they will be installed inside the shaft. The ends with plugs are also addressed showing their target plugs. In addition, the color coding of cable harness matches with the colors used in our control systems. Through these measures, wiring errors during installation are reduced to an absolute minimum.

The standard set includes the below components:

1. Flexible cable with sockets
2. Door locks and contacts with sockets
3. Pit box wiring with sockets
4. Cable trunks
5. Flexible cable wedges
6. Cabin & Floor fixtures prewiring
7. Halfway box prewiring
8. Cabin top prewiring and cables



Shaft Illumination Kit

The lift shaft should be provided with a permanently installed electric lighting, giving 50 lux illumination intensity, even when all the doors are closed (detailed description available in EN 81-20 / 5.2.1.4.1).

Liftern Shaft Illumination is a product segment designed strictly according to the respected standard. Depending on the shaft area, the convenient intervals and light source quantities are calculated to provide the required intensity. The light cases and cables are embedded with fixation accessories in order to fix to the shaft wall. The cables are ready just to plug in.



ILL-05 Prewired Shaft Illumination

IP 20 Socket

IP 65 Socket

ILL-05

Features

- Code : ILL0.5
- Power: 20 W (including driver)
- Input voltage: 220V - AC
- Led number/PCB: 112 Low-Power LED / FR-4/ALM 1.6 mm
- Power multiplier – efficiency: 93%
- Light color temperature: 3000K-4000K-6000K Blue, Red, Green (RGB)
- Life span: 60.000 hours
- Illumination angle: 225 degrees
- IP protection class: IP44
- CRI: 80%
- Body material: Aluminum extrusion and eloxal, polycarbon glass, plastic injection cable outlets
- Weight: 240 g
- Size: L: 500 mm x W: 40 mm x D: 20 mm
- Led Brand: Refond / ETI
- LM Value: 2400
- Warranty: 2 years

Functions											Model & Function Matrix	Controller Models
8 lifts group funcio	4 m/s suppor	Can-Bus	Door frame cabinet	Frequency Inverter choices	Internet Monitoring	Programmable I/O	Hydraulic	AC2 - Two Speed motors	Gearbox VVVF motors	Gearless VVVF motors		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Strauss MRL	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Strauss MR	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Amadeus MRL	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Amadeus MR	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Amadeus Split	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ravel	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Wagner								
<input type="checkbox"/>	Puccini											

COMPANY NAME : _____
 PROJECT REF. : _____
 UNIT QUANTITY : _____

REQ. DELIVERY DATE : _____
 LANGUAGE : _____
 COUNTRY : _____

LIFT DATA		DOOR DISTANCES	
MAIN POWER : _____	CABIN SPEED : _____	A64 <input type="checkbox"/> → B64 <input type="checkbox"/>	
NEUTRAL LINE : _____	GROUP TYPE : _____	A63 <input type="checkbox"/> → B63 <input type="checkbox"/>	
DRIVE TYPE : _____	REDUCED PIT : _____	A62 <input type="checkbox"/> → B62 <input type="checkbox"/>	
MACHINE ROOM TYPE : _____	REDUCED HEADROOM : _____	A61 <input type="checkbox"/> → B61 <input type="checkbox"/>	
NUMBER OF FLOORS : _____		A60 <input type="checkbox"/> → B60 <input type="checkbox"/>	
NUMBER OF ENTRANCE : _____		A59 <input type="checkbox"/> → B59 <input type="checkbox"/>	
COLLECTION TYPE : _____		A58 <input type="checkbox"/> → B58 <input type="checkbox"/>	
MOTOR DATA		HYDRAULIC DATA	
BRAND - MODEL : _____	BRAND - MODEL : _____	A57 <input type="checkbox"/> → B57 <input type="checkbox"/>	
NOMINAL POWER : _____	NOMINAL POWER : _____	A56 <input type="checkbox"/> → B56 <input type="checkbox"/>	
MOTOR CURRENT : _____	NOMINAL CURRENT : _____	A55 <input type="checkbox"/> → B55 <input type="checkbox"/>	
RPM : _____	VALVE VOLTAGE : _____	A54 <input type="checkbox"/> → B54 <input type="checkbox"/>	
BRAKE HOLDING VOLTAGE : _____		A53 <input type="checkbox"/> → B53 <input type="checkbox"/>	
BRAKE PICKING VOLTAGE : _____		A52 <input type="checkbox"/> → B52 <input type="checkbox"/>	
ENCODER : _____		A51 <input type="checkbox"/> → B51 <input type="checkbox"/>	
CONTROLLER DATA		A50 <input type="checkbox"/> → B50 <input type="checkbox"/>	
NORM : _____		A49 <input type="checkbox"/> → B49 <input type="checkbox"/>	
ADD. NORMS (insert "X") : <input type="checkbox"/> EN 81-70 <input type="checkbox"/> EN 81-28 <input type="checkbox"/> EN 81-72		A48 <input type="checkbox"/> → B48 <input type="checkbox"/>	
		A47 <input type="checkbox"/> → B47 <input type="checkbox"/>	
MODEL : _____		A46 <input type="checkbox"/> → B46 <input type="checkbox"/>	
CABINET TYPE : _____		A45 <input type="checkbox"/> → B45 <input type="checkbox"/>	
CONTACTOR BRAND & TYPE : _____		A44 <input type="checkbox"/> → B44 <input type="checkbox"/>	
LIGHT FUSE IN CONTROLLER : <input type="checkbox"/> if selected, cabin-shaft light fuses & control is integrated		A43 <input type="checkbox"/> → B43 <input type="checkbox"/>	
INVERTER : _____		A42 <input type="checkbox"/> → B42 <input type="checkbox"/>	
NOMINAL CURRENT : _____			
CABIN DOOR : _____			
CABIN DOOR VOLTAGE : _____	<input type="checkbox"/> ADD. SOCKET SET (WITTUR DOORS)		
LANDING DOOR TYPE : _____			
DOOR MAGNET (CAM) VOL. : _____			
AUTOMATIC RESCUE : _____			
SPEED GOV. TEST BY : _____			
SPEED GOV. COIL VOLTAGE : _____			
SAFETY CIRCUIT VOLTAGE : _____			
DOOR PREOPENING : _____			
RELEVELLING : _____			
APRE CARD (for Arcode systems) : _____			
PROGRAMMING TERMINAL : _____			
FLOOR ANNOUNCEMENT : _____			
ISOLATOR OUTSIDE CABINET : _____			
INTERNET MONITORING : _____			
CABINET CLADDING : _____			
COLOR : _____			
HINGE DIRECTION : _____			
CABINET EXTENDED BASE : _____			
IP PROTECTION : _____			
SOUND ISOLATION : _____			

COMPANY NAME : Ver 2.0
 PROJECT REF. :
 UNIT QUANTITY : LANGUAGE :
 REQ. DELIVERY DATE : COUNTRY :

COMPANY NAME : Ver 2.0
 PROJECT REF. :
 UNIT QUANTITY : LANGUAGE :
 REQ. DELIVERY DATE : COUNTRY :

DISTANCE DATA

HEADROOM : m
 PIT : m
 TRAVEL HEIGHT : m
 MOTOR - CONTROLLER : m
 CONTROLLER - TOP OSG : m
 CONTROLLER - PREWIRING DUCT : m
 INSPECTION BOX - COP : m
 INSP. BOX - CABIN DOOR : m
 LOP - MAIN PREWIRING DUCT : m
 LIP - MAIN PREWIRING DUCT : m
 PIT PANEL - MAIN PREWIRING : m
 PIT PANEL - BOTTOM OSG : m

A41 → B41
 A40 → B40
 A39 → B39
 A38 → B38
 A37 → B37
 A36 → B36
 A35 → B35
 A34 → B34
 A33 → B33
 A32 → B32
 A31 → B31
 A30 → B30
 A29 → B29
 A28 → B28
 A27 → B27
 A26 → B26
 A25 → B25
 A24 → B24
 A23 → B23
 A22 → B22
 A21 → B21
 A20 → B20

PREWIRING DATA

TRAVEL CABLE - 1 : Available Normal
 TRAVEL CABLE - 2 : Available Normal
 TRAVEL CABLE - 3 :
 CONTROLLER - PIT CABLE : Available
 LANDING DOOR PREWIRING : Available
 MOTOR PREWIRING : Available
 MACHINE ROOM PREWIRING : Not Available m
 CABIN TOP PREWIRING : Available m
 PIT PREWIRING : Available m
 CAN-BUS PREWIRING (for lops) : Available m
 CAN-BUS PREWIRING (for cops) : Available m

OTHER PARTS

SHAFT LIGHTING : By Liftern By Treva
 LIMIT SWITCH LOCATION :
 CABLE DUCT 60 x 40 mm : Requested Meter : m
 CABLE DUCT 120 x 60 mm : Requested Meter : m
 PIT INST. PLATE & KIT : Available
 OMRON LIM. SWITCH : Available
 Additional Cables - 3 x 1.5 mm : m
 Additional Cables - 3 x 0.75 mm : m
 Additional Cables - 3 x 1.5 mm : m
 Additional Information :

FIXTURES

Car Operation Panel
 COP Supply : By Liftern By Treva
 Qty :
 Height : mm Custom Height
 Installation :
 Display Type :
 Material :
 Stop Names : Entrance Floor : 0
 Option Buttons : Alarm Door Open Door Close
 Fan Telephone
 Other Options : Intercom Key Switch Card Reader
 Key Switch Key Switch (Triangle)
 Logo : Plexy Window Fiber Laser Logo Color Engraving
 Logo Information :

Landing Operation Panel
 Qty :
 Installation :
 Display Type :
 Material :
 Other Options : Key Switch Key Switch (Triangle) Card Reader
 Logo : Fiber Laser Logo Color Engraving
 Logo Information :

Landing Operation Panel - Type 2 (if any)
 Qty :
 Installation :
 Display Type :
 Material :
 Other Options : Key Switch Key Switch (Triangle) Card Reader
 Logo : Fiber Laser Logo Color Engraving
 Logo Information :

Overdoor Indicator Panel
 Qty :
 Installation :
 Display Type :
 Material :
 Logo : Fiber Laser Logo Color Engraving
 Logo Information :

Additional Information for Op. Panel :

A19 → B19
 A18 → B18
 A17 → B17
 A16 → B16
 A15 → B15
 A14 → B14
 A13 → B13
 A12 → B12
 A11 → B11
 A10 → B10
 A9 → B9
 A8 → B8
 A7 → B7
 A6 → B6
 A5 → B5
 A4 → B4
 A3 → B3
 A2 → B2
 A1 → B1



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