ARKEL

We drive the best technologies.

www.arkel.eu

ARKEL

Arkel, since 1998

Is proud of having your trust and appreciation through its solutions and products presented to the lift industry.

Arkel will remain to be your best solution partner in the future based on its extensive experience, young and dynamic team, designs that combine safety and durability and efficient after-sales support, as it has been your best solution partner so far.

WHY ARKEL?

EXPERTISE IN LIFT SYSTEMS: Arkel has been using only its own expertise and technical know-how since its incorporation. It is always focused on success in the business to achieve excellent results.

DESIGN AND PRODUCTION: All Arkel products are designed by specialized Arkel engineers and produced at Arkel facilities.

CAREFUL SELECTION OF COMPONENTS: Arkel prefers the highest quality components starting from the design stage and never compromises on quality during production processes.

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HISTORY

- Founded in 1998; ARKEL, which started its operations by producing lift control boards, control panels, emergency rescue systems, inspection boxes, alarm sets, VVVF drives, integrated lift control units and other electronic devices required in the sector and is the leader brand in the sector in terms of R&D and engineering services.

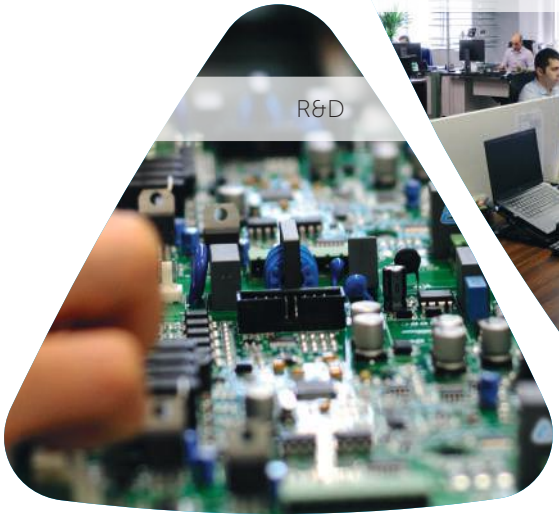
- ARKEL exported its first product in 2003 and made a breakthrough in 2005 by designing and starting to produce the first domestic lift motor driver in Turkey. During the process of integration of Turkey with the European Union, a new horizon opened up for ARKEL upon introduction of the lifts standard EN81-1/2 in 2005 and upon harmonization of the products of ARKEL in accordance with these standards. Since 2006, the Company has been marketing its products to the European Union countries. ARKEL A.Ş. currently exports its products to the countries in the Middle East, Africa, Europe and Asia and many other destinations even in Australia.

- The Company placed its integrated lift drive into the market in 2013 and is one of the top 3 companies in the world in this field. Red Dot awards, which are significant industrial design awards, were granted to ARCODE integrated lift control unit. In 2014, the product won the first prize in the technology awards contest organized jointly by the Turkish Technologies Development Foundation and TÜBİTAK and received technology award.

- Arkel proceeds on the way to becoming a global company after opening an office in Vadodara office in India in March 2018 and continues its operations by adding Gearless Motor to its wide range of products in the same year. The Company will maintain its activities to increase its share in the domestic and overseas markets, grow in the sector in terms of its export operations by placing top priority to customer satisfaction and enhance its user-friendly, new-trend product ranges by focusing on innovations.

WORKING FOR SUCCESS

ARKEL always strives to achieve better results based on its awareness of responsibilities as your solution partner. Arkel aims to be your unique partner with continuous goal to provide added value to the lift industry. Success for ARKEL means maintaining and improving our trust-based cooperation for many years ahead.

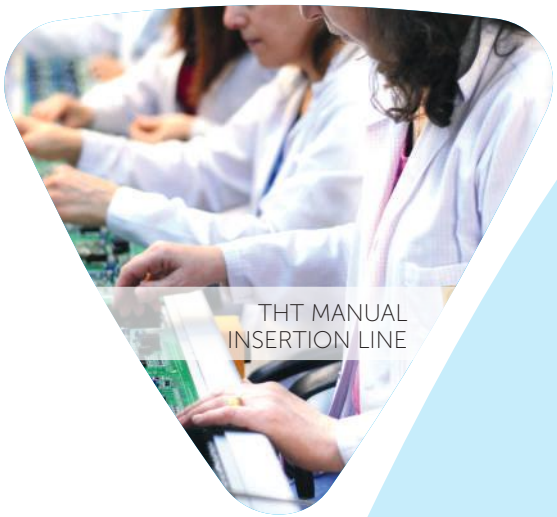


QUALITY

MANUFACTURE

SALES

CONTROL



1. Monoblock Lift Control Unit
2. ARTIAS Aplication
3. Integrated Lift Control Units
4. VVVF Speed Control Units (Inverters)
5. Lift Control Boards
6. Lift Control Panels

PRODUCT CATEGORIES

Door Control Boards 7

Displays 8

ARKEL ARLIFT / Lift Media Plus 9

ARKEL ARLINE / Remote Monitoring, Alarm and Intercom System for Lifts 10

Regenerative Unit for Lifts 11

Auxiliary Units 12

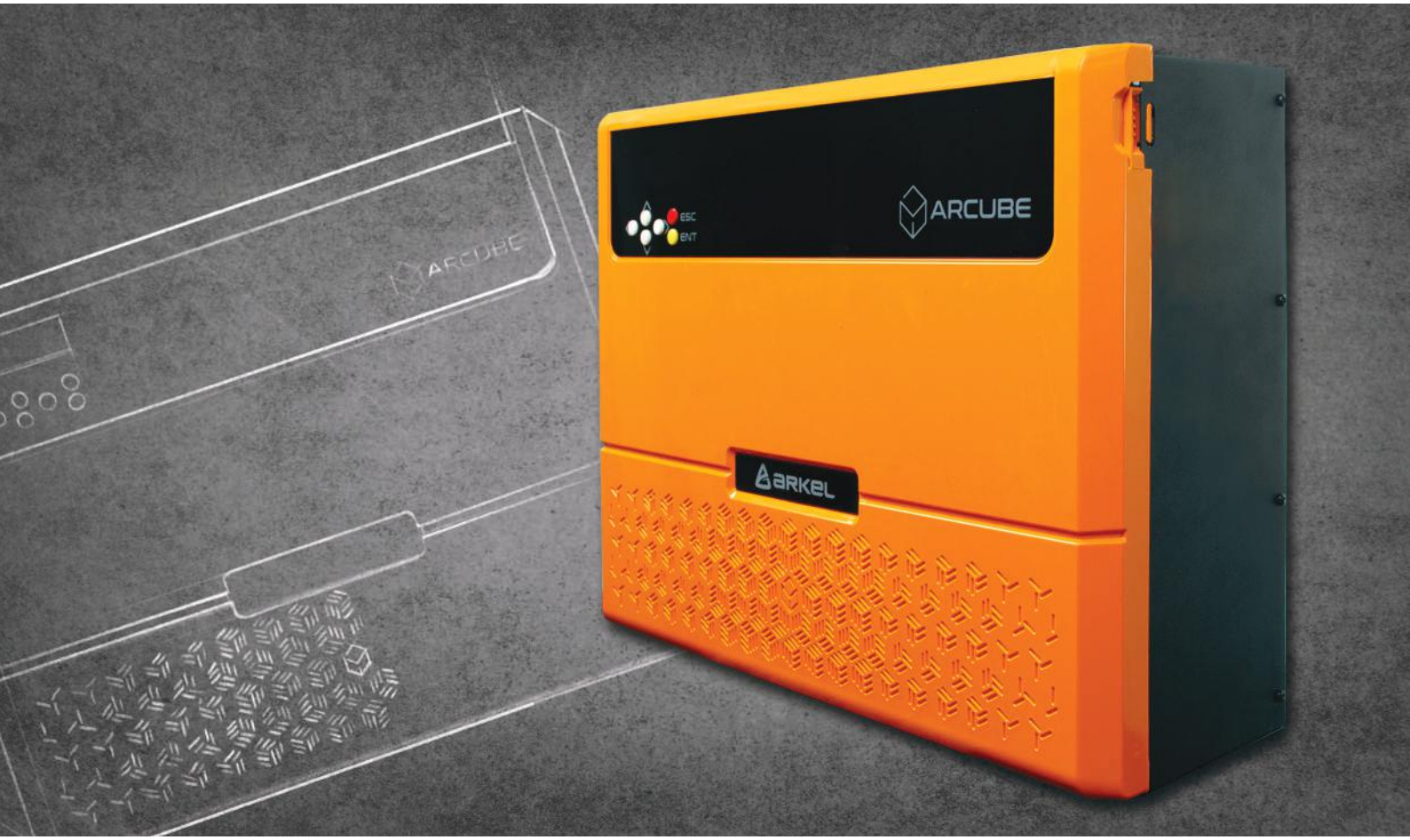
ARCUBE

Monoblock Lift Control Unit

ARCUBE combines VVVF drive unit, control board,
rescue function and electrical components as
a single monoblock lift control unit.

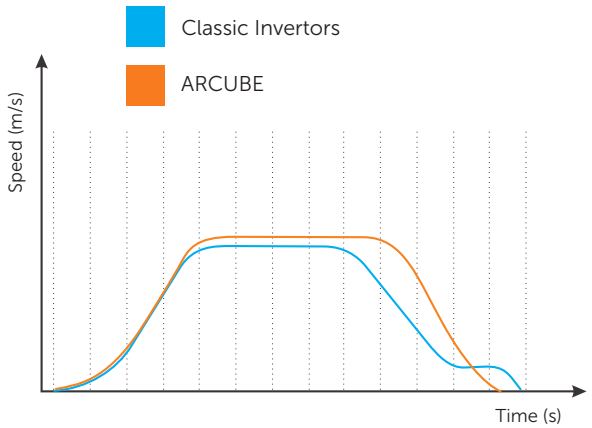
ARCUBE perfectly meets your needs!

- Combines VVVF drive unit, control board, rescue function and other electrical components in a single monoblock unit
- Contactorless design with STO function
- Small, lightweight and ready to install
- Compatible with EN81-20 standards
- Decreased costs due to less travelling cable requirements
- Direct landing
- Ability to work with synchronous and asynchronous machines
- Ability to work open and close loop
- Reliable and industrialized
- Energy saving



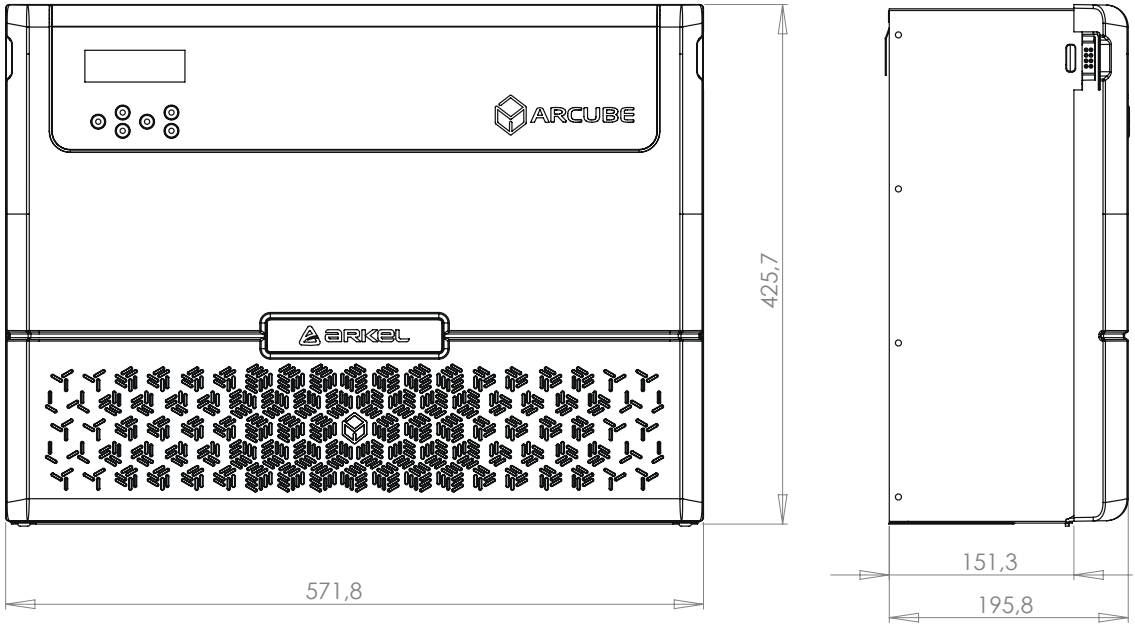
With "Direct Landing" feature,
ARCUBE:

- Shortens travel time with removal of the creeping distance by dynamic calculation of the travel curve.
- Provides easy setup by automatic detection of the deceleration point.
- No additional parameter setting requirement due to automatic calculation of maximum travelling speed according to the floor distance.



Rescue function with Auxiliary power:

- 1 Phase UPS or 5 x 12V batteries backup power source option
- Rescue power limitation option depending on the capacity of UPS or batteries. Elimination of UPS battery and damages due to over current
- Seamless operation by the help of rescue start delay and rescue speed parameters in generator installed buildings



Features of ARCUBE

Number of Stops	16
Drive Type	Traction
Cabling	Serial or parallel connection options with LOPs and COPs ARCODE compatible serial communication units
Car Positioning	Magnetic switches or motor encoder
Door Bridging	Available
Models	4 kW (10A) / 5.5 kW (14A) / 7.5 kW (17A) & 11 kW (26A)
Control Type	Single Button Collective, Double Button Collective
Group Control	Duplex
Elevator Speed	1.75 m/s
Motor Drive type	Contactorless drive with STO function
Compliance to Standards	EN 81-20
Rollback Prevention	*Rollback prevention at start through pre-torque and anti-rollback functions*

ARCUBE SLIM MRL

Lift Control Unit

thinner design

ARCUBE MRL
ARCUBE SLIM MRL

- Combines VVVF drive unit, control board, rescue function and other electrical components in a single unit
- Contactorless design with STO function
- Compact and more thinner design
- Compatible with EN81-20 standards
- Decreased costs due to less traveling cable requirements
- Direct landing
- High comfortable travel thanks to the new generation motor drive technology.
- Reliable and industrialized
- Energy saving
- Re-Leveling and Door Pre-Opening function with integrated relays.
- Compatible with ARKEL ARLINE and ARKEL ARLIFT IoT systems.

ARCUBE MRL

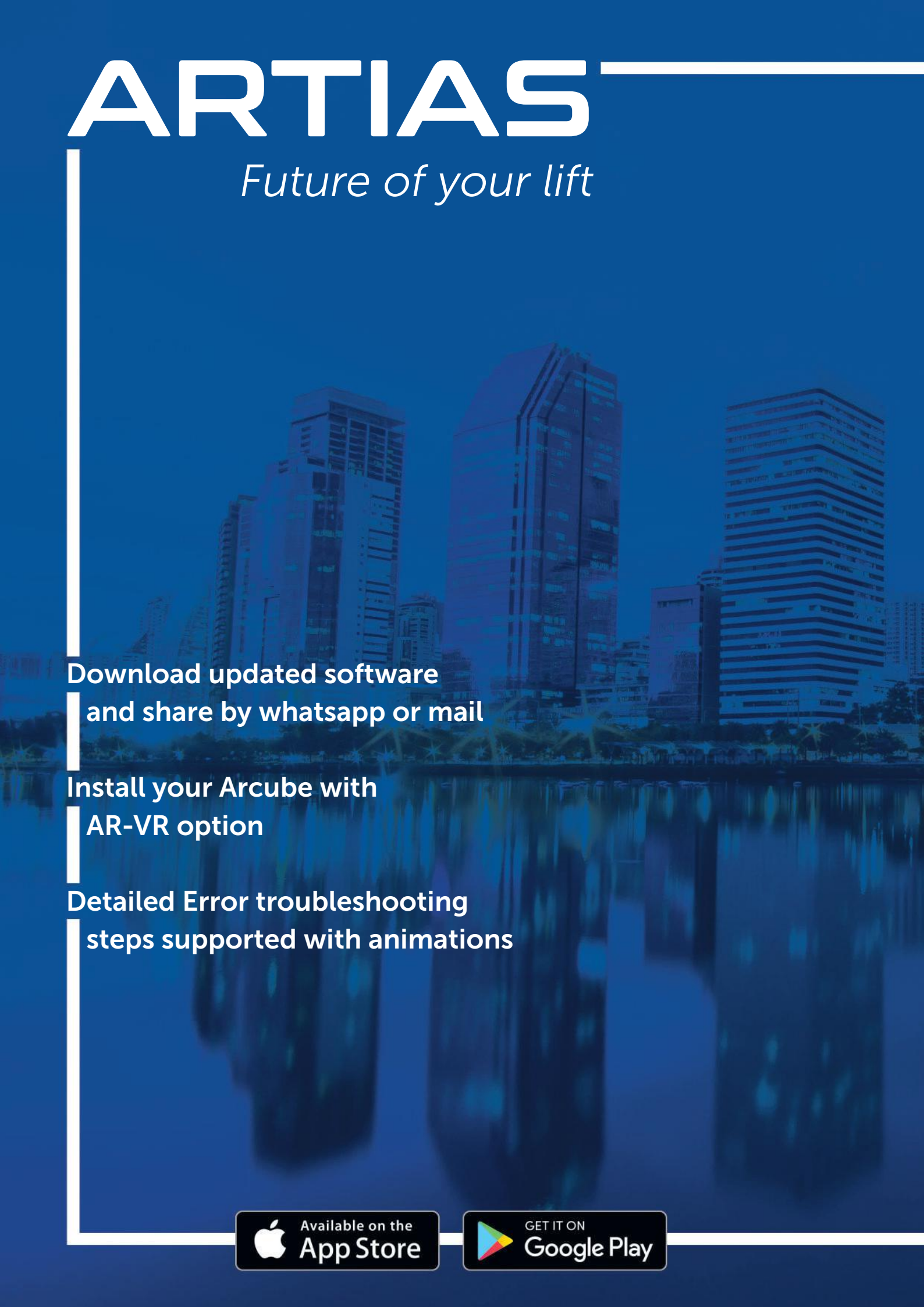
Lift Control Unit

Features of ARCUBE MRL / ARCUBE SLIM MRL

Number of Stops	16
Drive Type	Traction (VVVF gearless machine; MRL)
Cabling	Serial or parallel connection options with LOP's and COP's Arcode compatible serial communication units
Car Positioning	Magnetic switches or motor encoder
Door Bridging	Available
Models	4 kW (10A) / 5.5 kW (14A) / 7.5 kW (17A) & 11 kW (26A)
Control Type	Down collective, Full collective
Group Control	Duplex
Elevator Speed	1.75 m/s
Motor Drive Type	Contactorless drive with STO function
Menu Languages	Turkish, English, Russian, French, Spanish, Polish, German, Italian,
Loop Type	Close loop
Compliance to Standards	EN 81-20
Rollback Prevention	Rollback prevention at start through pre-torque and anti-rollback functions

ARTIAS

Future of your lift



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and share by whatsapp or mail

Install your Arcube with
AR-VR option

Detailed Error troubleshooting
steps supported with animations

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GET IT ON Google Play

ARCUBE
ARTIAS
Installation
Documents
Technical Support
Activation Form
ARKEL

Integrated Lift Control Units

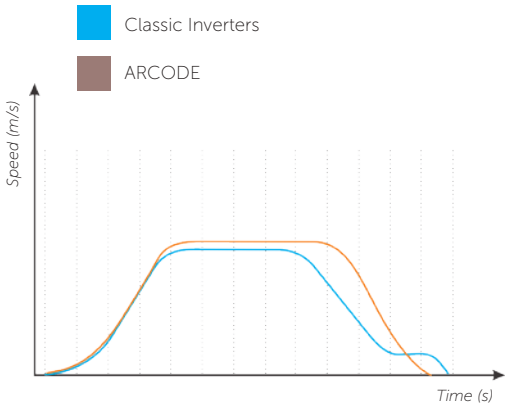
ARCODE®

ARCODE

ARCODE is an innovative, breakthrough product in lift industry. ARCODE is an integrated lift control unit that combines VVVF drive, control units and evacuation system.

With "Direct Landing" feature, ARCODE:

- Shortens travel time with removal of the drifting distance by dynamic calculation of the travel curve.
- Provides easy adjustment by automatic detection of the deceleration point.
- Does not require any additional adjustments for short-floor or high-speed lift applications.



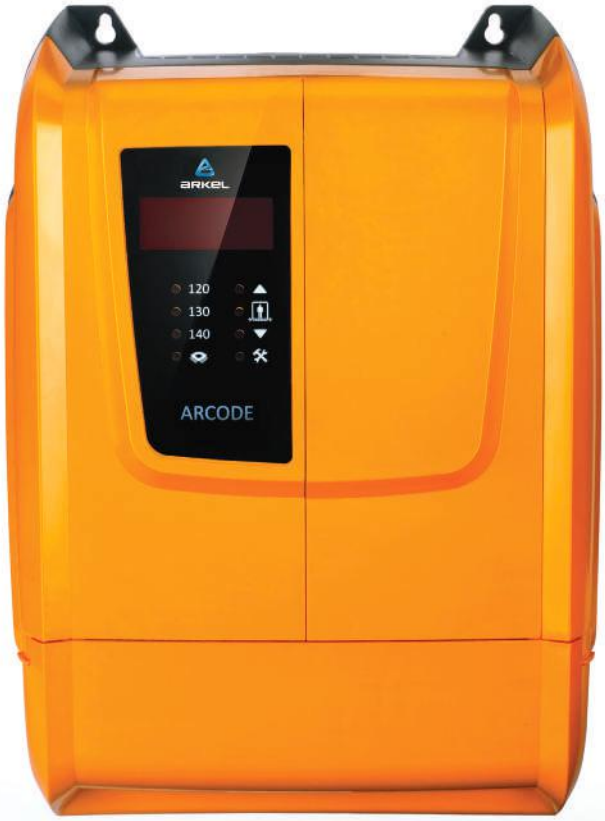
Integrated Lift Control Units

ARCODE Models

Model	Nominal output current	Size
4B14A	14 A	258 x 372 mm
4B17A	17 A	258 x 372 mm
4B26A	26 A	258 x 372 mm
4B35A	35 A	258 x 472 mm
4B50A	50 A	258 x 472 mm
4B75A	75 A	258 x 472 mm

WHY ARCODE?

- Excellent comfort thanks to direct landing
- Shorter travel time compared to the standard VVVF systems
- Energy-saving modes
- Full synchronization
- Compact design
- Simple and fast installation
- Easy updating



Features

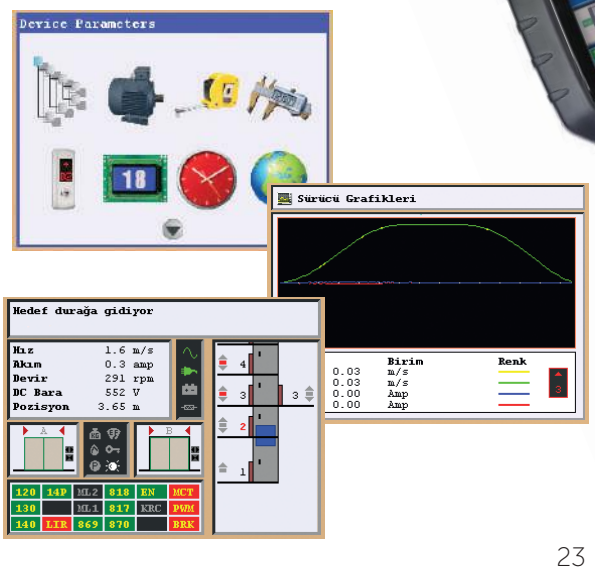
Motor Control	Synchronous & Asynchronous Machine
Power Input (L1,L2,L3)	AC 3 Ph., 320-420V, 50/60 Hz AC 3 Ph., 200-240V, 50/60 Hz
Models	ARCODE 14, 17 , 26 , 35 , 50 , 75 A
Speed	Up to 4 m/s
Group Operation	Up to 8 lifts
Number of Floors	Up to 64 floors
Communication Protocol	CANbus
Encoder Options	5V TTL, 10-30V HTL, EnDat, SSI, SinCos, BISS
Safety Circuit Voltage	48 VAC - 230 VAC

AREM

Programming tool for ARCODE

Functions

- Back-up and transfer of system parameters via SD Card
- 3 Different accessibility levels for specific needs (guest, maintenance and installation)
- Updating the software of all CANbus units without PC
- Access to the system from any point on CANbus



VVVF Speed Control Units (Inverters)

ADrive

Synchronous / Asynchronous

COMFORTABLE SOLUTION

ADrive Models

Model	kW	In	Imax (< 6s)
ADrive - 4B055	5,5 kW	14 A	28 A
ADrive - 4B075	7,5 kW	17 A	34 A
ADrive - 4B110	11 kW	26 A	52 A
ADrive - 4C150	15 kW	35 A	70 A
ADrive - 4C220	22 kW	50 A	100 A

VVVF Speed Control Units (Inverters)

Features

- Exclusively designed for lifts and special parameters for lift applications
- Compatibility with asynchronous (closed or open loop) and Gearless Motors
- High travel comfort and sensitive landing on floors
- Strong movement and operation momentum thanks to the vector control
- Up to 40% power saving for lifts
- Parameter key for saving and transferring the parameters
- 14, 17, 26, 35 and 50 Ampere rating models
- Static auto-tuning for Gearless Motors (without lifting the ropes)
- Operation with three-phase supply voltage (between 300 VAC-420 VAC)
- Operation with mono-phase, three-phase 230 VAC supply voltage (optional)
- Turkish, English and French language support

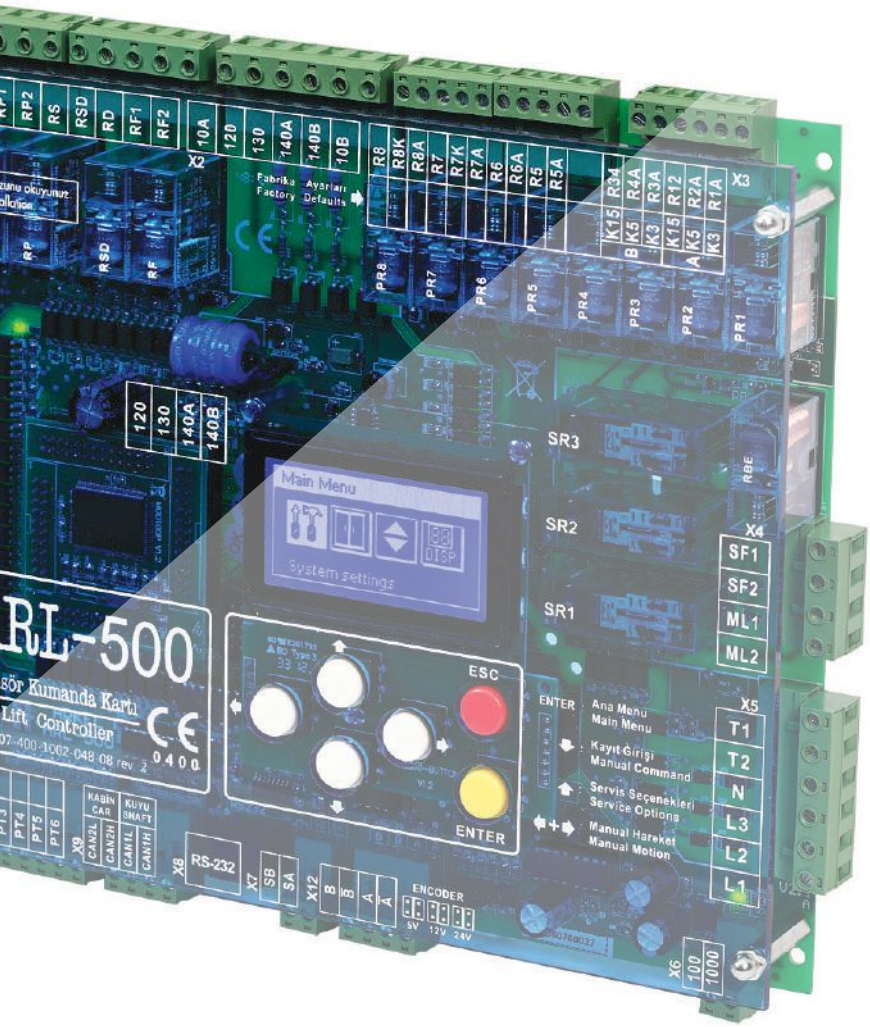
ENCABIT-Plus

Absolute encoder connection and other functions used for Gearless Motors are supported by ENCABIT-Plus card.

SCR01 ADrive Button and Indicators

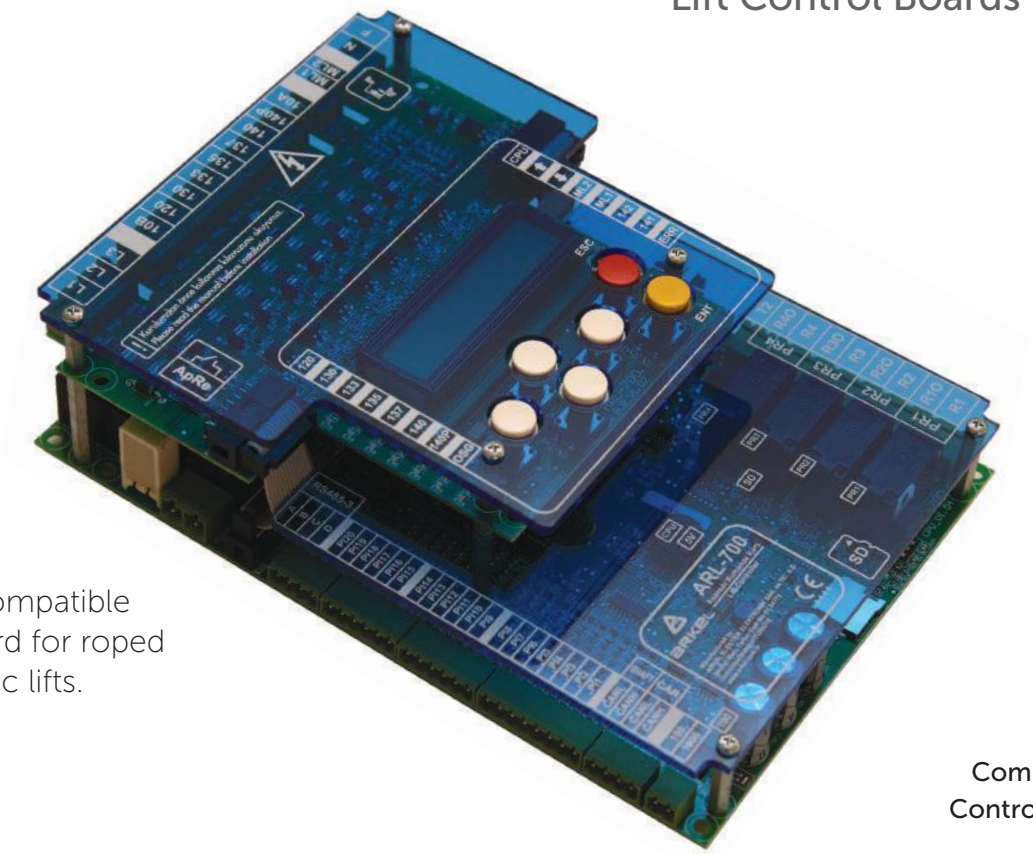
ADrive menu control is provided by SCR01 Button and Indicators, when it is impossible to directly access to the display panel of ADrive motor drive.

ADrive, Turkey's leading VVVF inverter designed for lift solutions.



Lift Control Boards

ARL-700

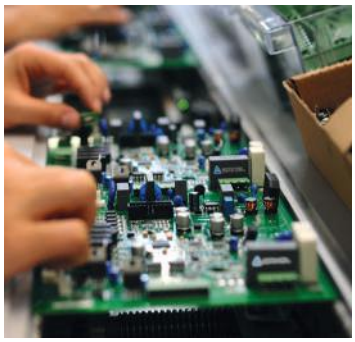
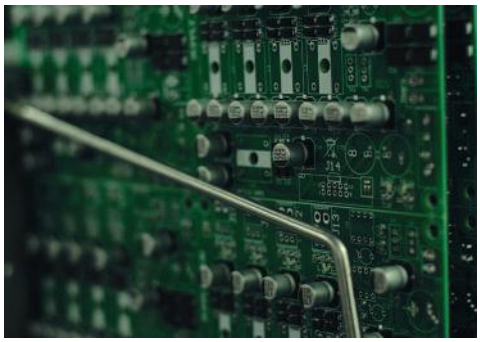


EN 81-20 compatible control board for roped and hydraulic lifts.

Complete Lift Control System

Features

- Compatible with EN81-20 hydraulic and traction systems
- Updating all equipment connected by SD card
- Serial communication with ARKEL ADrive
- Door pre-opening and level re-leveling with open door through the internal door bridging relays
- Equipment that detects the short circuit of door contacts
- Operation with all ARCODE peripheral units
- Emergency rescue function
- Group operation up to 2,5 m/s speed and 8 group lifts
- Possibility of serial installation up to 64 floors (CANbus)
- Programmable 4 relays, 4 transistor outputs
- Parallel and serial lift shaft communication through additional card
- Two door enclosure support
- Parallel and serial lift car communication through additional card
- Shaft learning with Motor Encoder or magnet
- Possibility of access through ARCODE programming hand terminal (AREM)
- Supporting other drives and hydraulic solutions through HSR card
- Internal phase sequence and motor protection circuit

Lift Control Boards

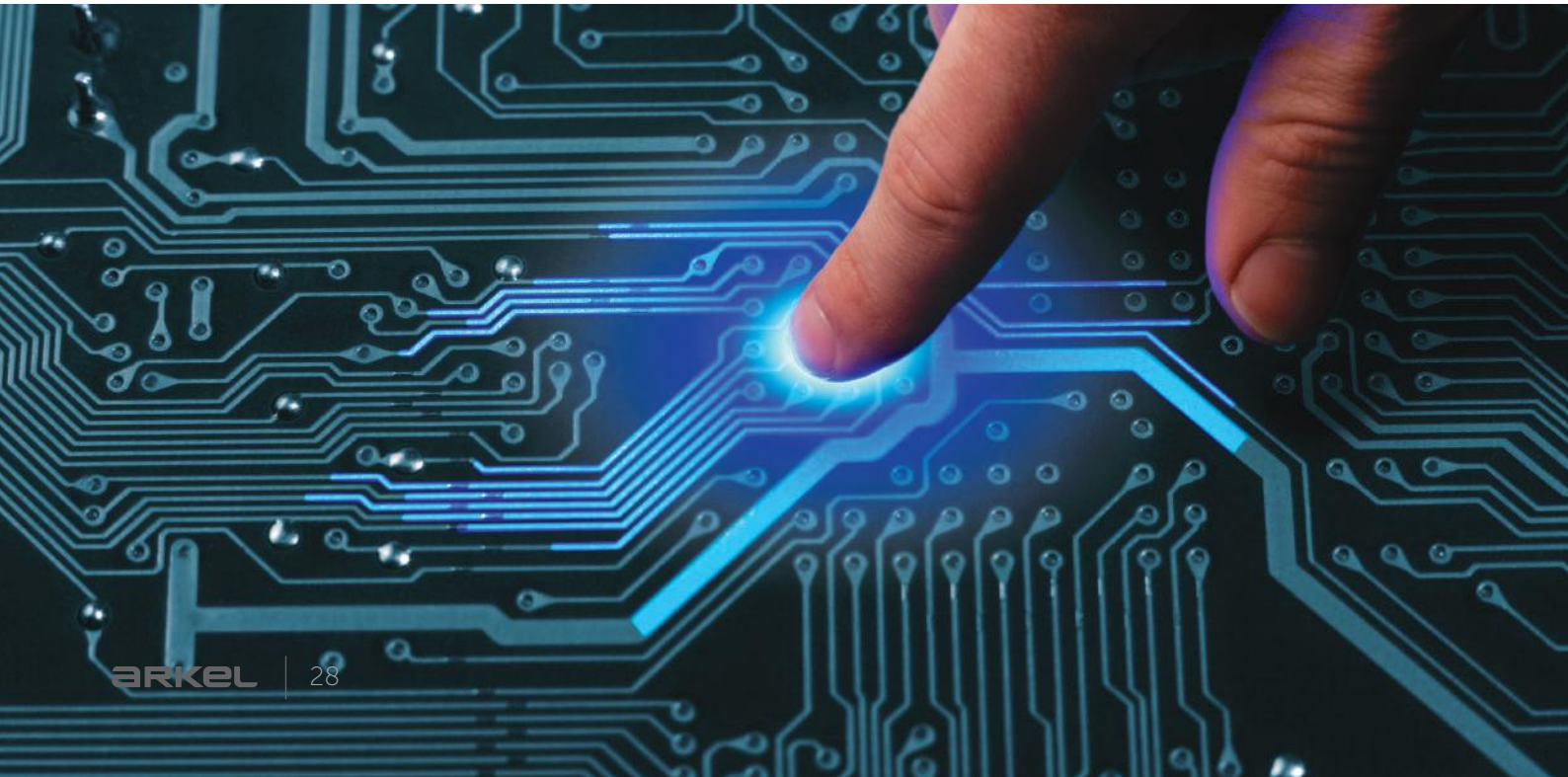
ARL-500

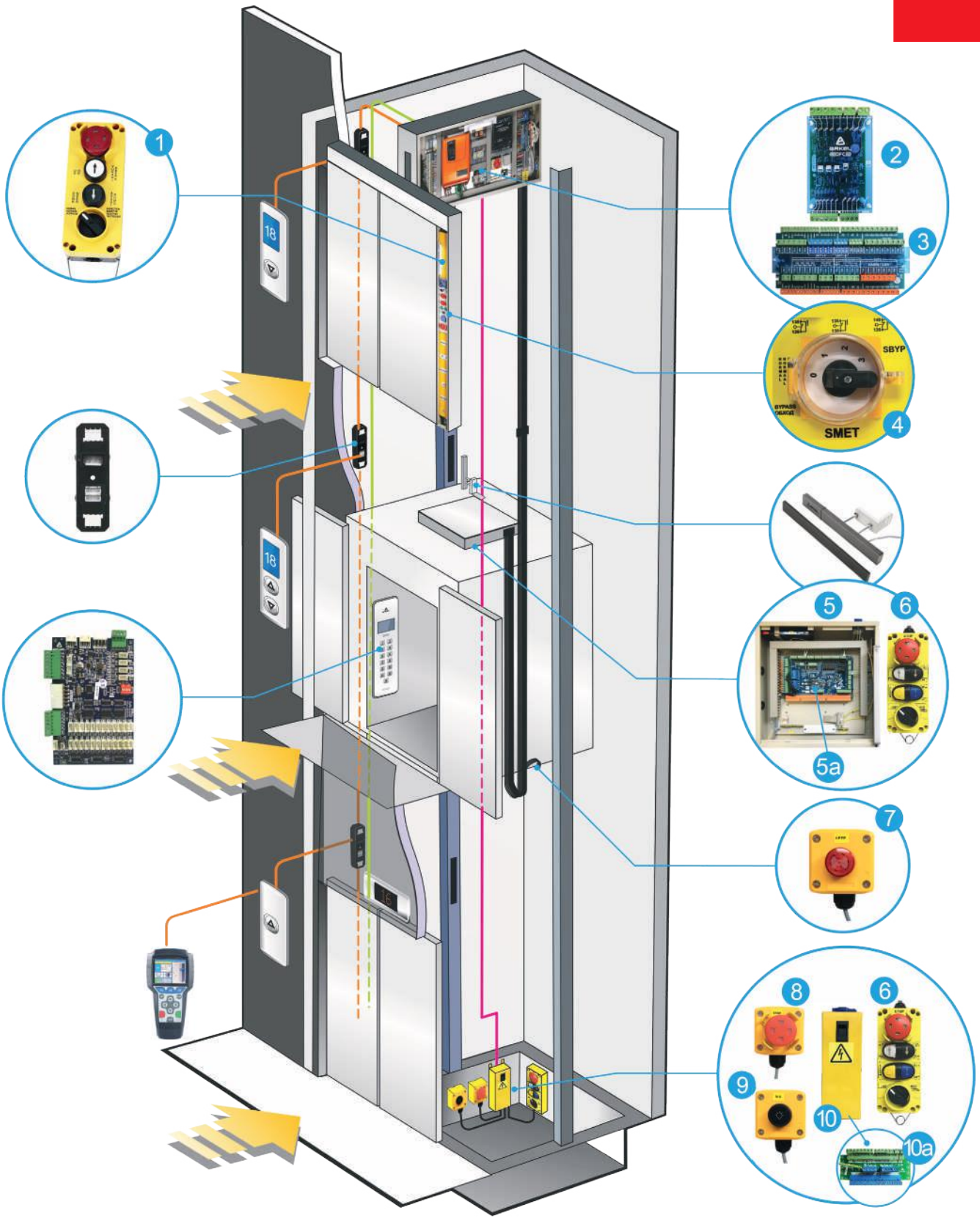
ADVANCED SOLUTIONS, ADVANCED FEATURES

Complete Lift Control System

Features

- Compatible with hydraulic and traction lifts up to 48 floors
- Operation up to 2,5 m/s speed
- Operation up to 8 lifts in group
- Magnetic switch or encoder system for car position data
- Fast and serial communication through floor and car units via CANbus
- Specific flexible solutions with free programmable inputs and outputs
- Early door opening and level renewal with open door through the internal door bridging relays
- Internal phase, sequenced motor protection circuit
- Independent automatic door control for floors based on two door support
- Turkish, English, Russian, French, Dutch, Swedish, Polish and Italian language support





1 1003617 EK-6 Hand Terminal
2 1003447 DFC Door Contact Failure Checker
3 1003527 KBK-12 & KBK-13 Connection Board
4 1003544 BYPASS Switch
5 1003630 RK77 Inspection Box
5a 1003451 IBC-S Board
6 1003616 EK-4 Hand Terminal
7 1003546 BYPASS Flasher Alarm
8 1003547 Emergency Stop Button
9 1003545 Shaft Lighting Button
10 1003646 PB-4 Pit Box
10a 1003516 KDB Board

Lift Control Boards

ARL-300

COMPACT SOLUTIONS

Lift Control Board for Hydraulic and Rope Lifts

Features

- Compatible with hydraulic and traction lifts up to 24 floors
- Operation up to 1,6 m/s speed
- Operation up to 4 lifts in group
- Magnetic switch or encoder system for car position data
- Early door opening and level renewal with open door through the internal door bridging relays
- Internal phase, sequenced motor protection circuit
- Internal automatic door control inputs and outputs
- Gray/Binary code outputs for LCD and Dot Matrix Display
- Compatibility with serial car communication card (FX-RANGE) that ensures saving on cable and workmanship costs
- Conformity with EN 81-1/2+A3.
- Turkish, English, German, Russian, Romanian, Dutch and Italian language support

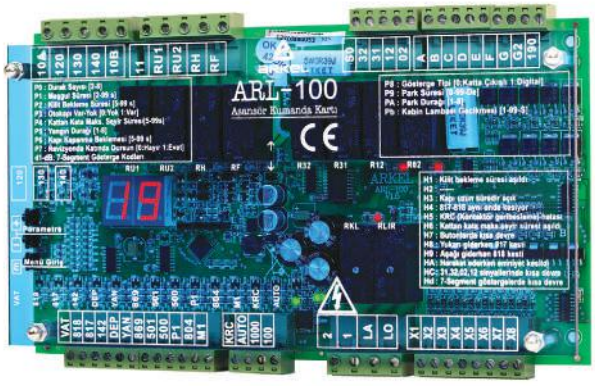
ARL-200S

Functional Programmed Control Board

Features

- Compatible with single speed, two speed and VVVF variable speed systems up to 16 floors
- Operation with double lifts
- Magnetic switches and counter system method for car position data
- Compatibility with serial car installation card (FX-RANGE) that ensures saving on cable and workmanship costs
- Conformity with EN 81-1.
- Turkish, English, Dutch, French and Romanian language support

ARL-100



Lift Control Board for Simple Control Systems

Features

- Compatible with single speed or two speed, simple control systems up to 8 floors
- Magnetic switches and counter system method for car position data
- Fire, earthquake, overload, motorman switch functions, direction arrows, car lamp, busy, out of service and automatic door card signal outputs
- Conformity with EN 81-1.

Endurable and Reliable

Drive System
* Rope
  - Single Speed
  - Two Speed
  - Speed Controlled
    - Synchronous (Gearless)
    - Asynchronous (Geared)
* Hydraulic

Automatic Door
- Semi-Automatic
- Full-Automatic
- Two Automatic Door

Recovery System
- Integrated into Control Panel
* External

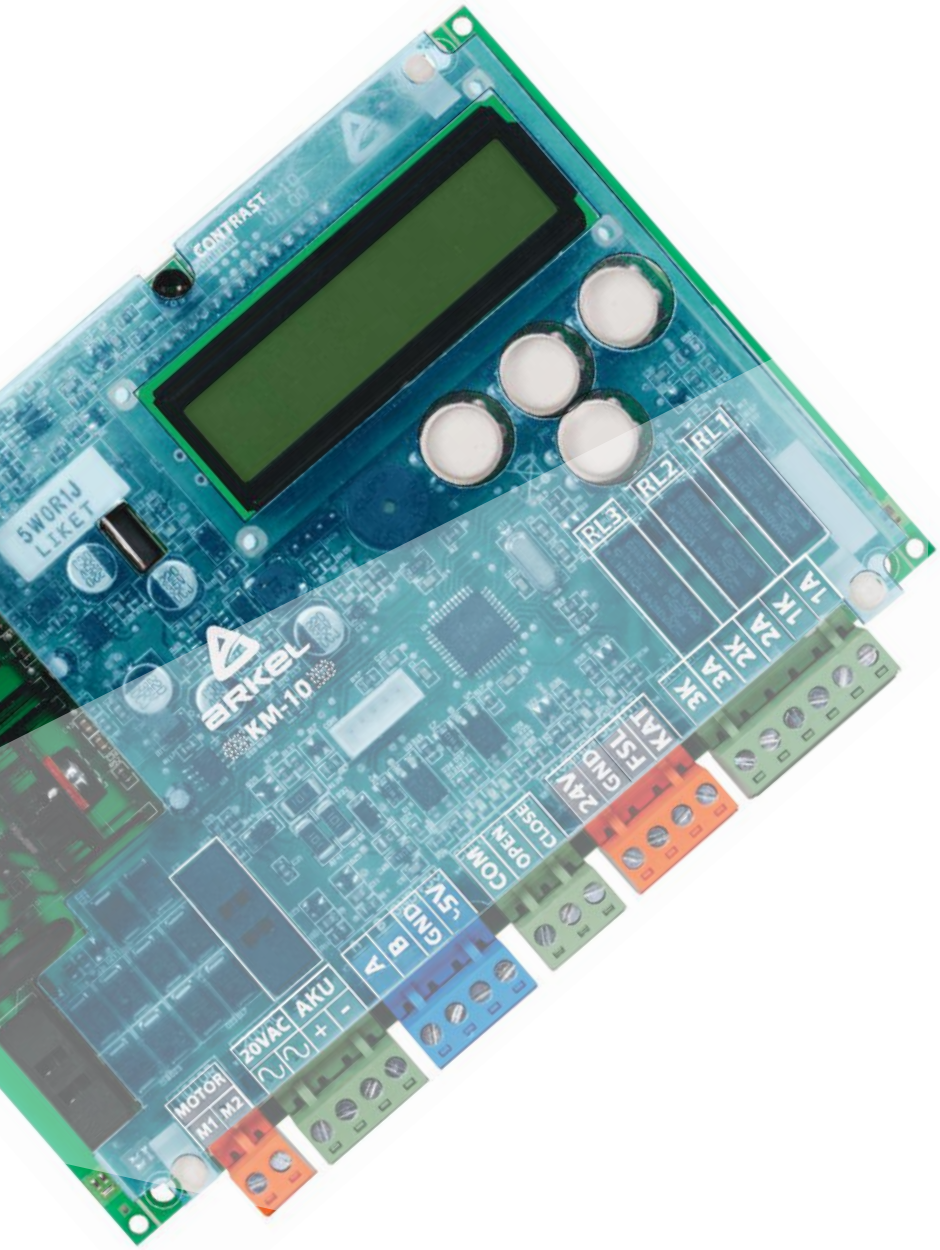
Control System
- Simple Control
- Up / Down Collection
- Two Button Collection
- Group Operation

Conformity
* EN 81-1/2 +A3

Cabin and Shaft Equipment
- Serial Car & Serial Leveling
- Serial Car & Parallel Leveling
- Parallel Car & Parallel Leveling

Car Position Data
- With Magnetic Switches
* With Encoder System

New era in lift control...



Door Control Boards

KM-30S

Door Control Board for 220 VAC Synchronous Motor Telescopic Lift Doors

Reliability of KM-30S:
KM-30S contains power-o feature that complies with EN 81-20 standard to provide the highest safety level for passengers. When the door detects an obstacle, it stops closing and opens. When it is required to close the door again, it slowly switches from the position where it has detected an obstacle.

Technology of KM-30S:
KM-30S is a door controller that consists of the combination of the sensor and sensor-free vector control. Thanks to the 32-bit processor, it processes motor data without any errors and ensures perfect control. Our internal SMD and THT stringing operations are carried out by using the state-of-the-art machines. All functions are tested on our own-designed test benches. No products are activated without being approved from the test bench. In this way, we always provide our clients with excellent products.

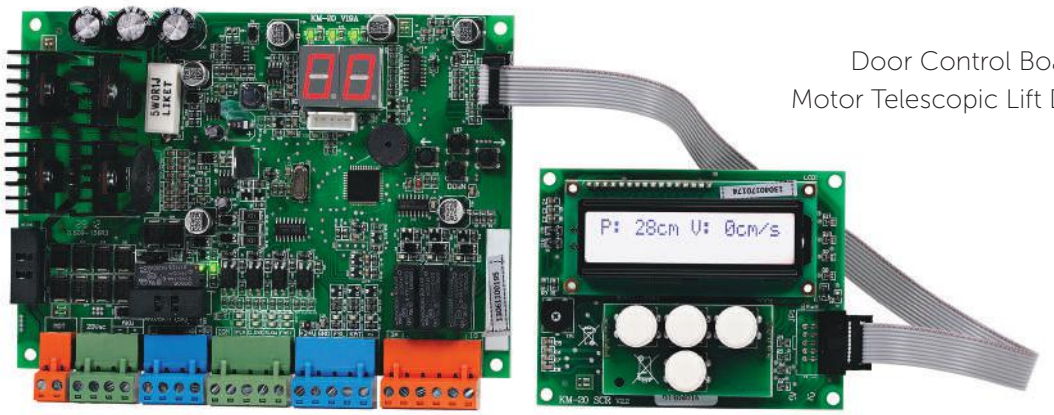
Intelligence of KM-30S:
KM-30S has intelligent motor driving technique. The motor is subject to a recognition process. For this purpose, data such as user, current of the motor, number of poles, gear ratio etc. is entered on the menu. The loaded position and speed data is also transmitted back through an encoder. The errors are calculated and transmitted back to the motor. In this way, the motor in KM-30S does not su er loss of power.

Comfort of KM-30S:
KM-30S ensures full control of the motor as compared to the standard drivers. It ensures softened passages between the accelerati- on and deceleration curves. It enables the door to open and close fast but without any vibrations. It could re-open with audible warning in case of congestion. It also prevents the passengers from su ering any damage by passing through the congestion area slowly.

Installation of KM-30S:
KM-30S was designed to ensure maximum ergonomics and ease of installation. It could be installed on the upper frame of the elevator door, next to the door motor or behind the door strap. Its sizes are 310 x 112,6 x 30 mm. KM-30S is fully compatible with Arkel "KM-30S Motor".

Input Supply Voltage	: 220 VAG ± %10
Supply Protection	: Fuse Protection (2 A)
Motor Voltage	: 220 VAG
Motor Output Current	: 0.65 A (Nominal)
Motor Control Method	: Vector Control
Motor Protection	: Overload and Short Circuit Protection

KM-20



Door Control Board for 24 VDC
Motor Telescopic Lift Doors Features

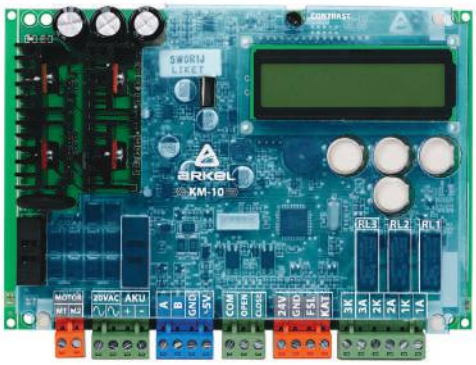
KM-20 Control Board

- Based on slow speed signal input, a nudging function is used, which allows for closing the door slowly with an audible alarm in case of failure of photocell for a long time, without considering the photocell signal.
- Suitable for use with fire lift doors (high speed signal input can be detected).
- Optional KM-20 keypad allows for adjustment of all system parameters. The operation of the door can be extensively followed up.
- Basic parameters (door opening-closing speed, obstruction pressure, signal type and demo mode) can be easily adjusted via 7-segment displays and buttons on the board.

Features (KM 20 & KM 10)

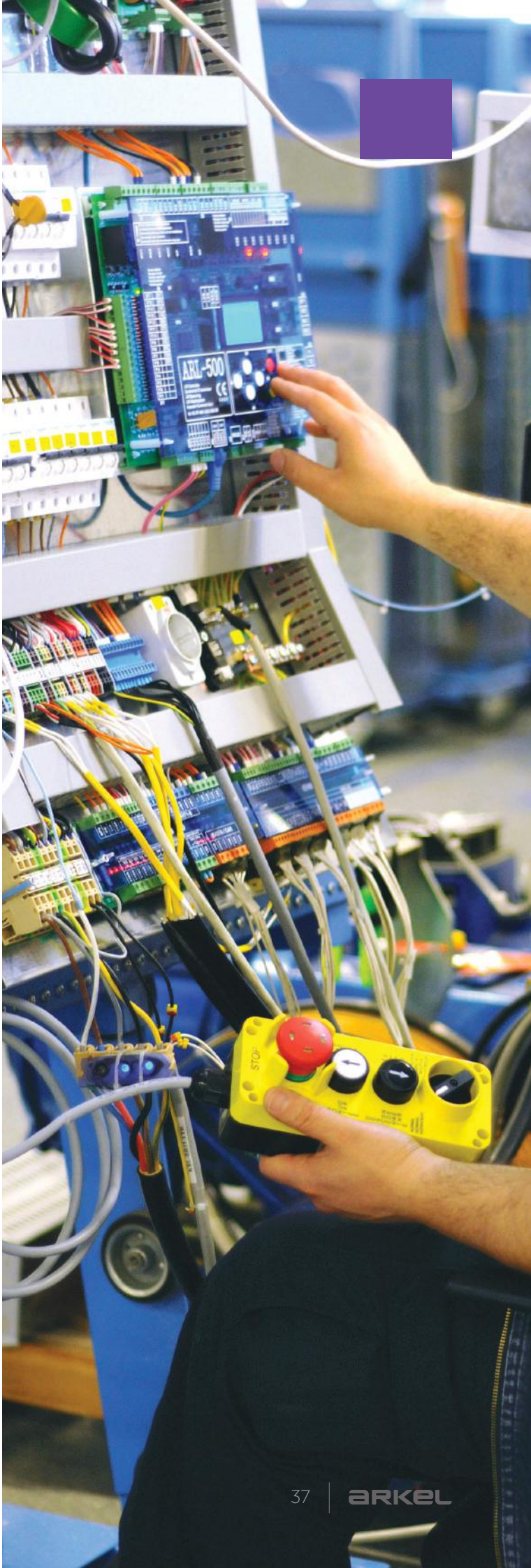
- Door Control Boards are produced for telescopic lift doors with 24VDC reducer and DC motor.
- It provides complete management of the motor with its 4-zone motor control and double channel, high resolution encoder input.
- Thanks to its advanced software, it enables for serial but vibration-less door movements through real S softening on observation ramps and its algorithm that does not require limits.
- Limit switch is not required for door operator. Door width and door opened, and closed positions are automatically identified.
- For operation fully integrated with the control panels, the door might transmit contract outputs such as 'fully open, fully closed and obstruction/photocell detected'.
- In case of power failure, it can operate with 2 pieces of 12V batteries or 24VDC external supply. The emergency supply type can be easily selected via the jumper on board.
- Battery is charged by the board. It goes into sleep mode and protects the batteries from discharging upon opening the door due to emergency.
- For manufacturers, parameters that ensure flexibility in application such as motor reduction ratio, motor cycle, drive pulley circumference and Skate Opening zone could be provided.
- For user settings, speed settings designated in centimeters/seconds and ramp ways designated in centimeters could be assigned.
- It is possible to follow up the operation of the door, by using the on/off counter.
- Turkish, English and Greek language options are available.
- In case of door obstruction, the door could be re-opened with buzzer warning. Possible damage on passengers and door is prevented by moving from the obstruction zone slowly.
- Door open and close holding pressure and door obstruction detection pressure could be adjusted as required.

KM-10



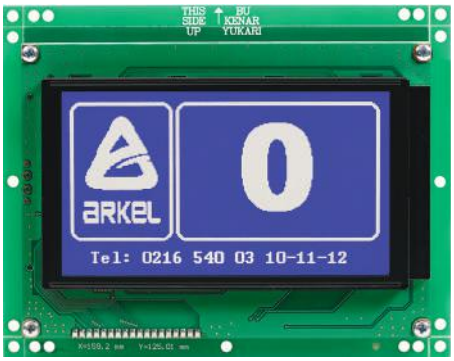
KM-10 Control Board

- Basic parameters (door opening-closing speed, obstruction pressure, signal type and demo mode) can be easily adjusted via LCD display and buttons on the board.



LCD10555 Multi Color LCD Display

LCD 240X128A
240 x 128 Pixel Resolution Graphic
LCD Display for Lifts

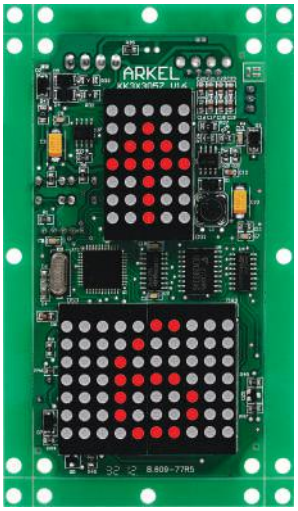


2X3057 Series Dot Matrix
Call / Display Module

Floor Call Board
(Without Display)

LCD-A (40x70 mm) Call / Display Module

3X3057 Series Dot Matrix
Call / Display Module



Displays

LiftMedia

Special TFT LCD Display, Music and Announcement System for Lifts

LiftMedia Designer is a user-friendly software to customize your displays. With its advanced and flexible graphic user interface, you can set up all display properties including: floor names, floor pictures, direction arrows, logo, background images, special messages, date, time, temperature, voice announcements and audio/video playback.

Features

- 320x240 pixels, 5.7" inch true color-screen
- Programmable voice announcements (overloaded, out of service etc.)
- Video playing capability (in approximately 1/4 of the screen)
- High quality music playback
- Display floor names, floor pictures, direction arrows and signal indicators (overloaded, fully loaded etc.)
- Date, time and temperature displays
- Flexible screen design with user-friendly visual design program
- Supports media file types such as mp3, mpeg, avi, wmv, flv, mp4, m4u and wav
- Supports image file types such as bmp, jpeg, gif and png
- All screen, sound, music and video elements can be customized by users
- Horizontal and vertical use
- No connection cables are required for programming. You can copy the design into SD card and insert the card into LiftMedia
- Unlimited alphabet support (Cyrillic, Greek, Arabic letters etc.)
- Saving videos and music on internal SD card.
- Updating software via SD card
- Turkish and English language support.

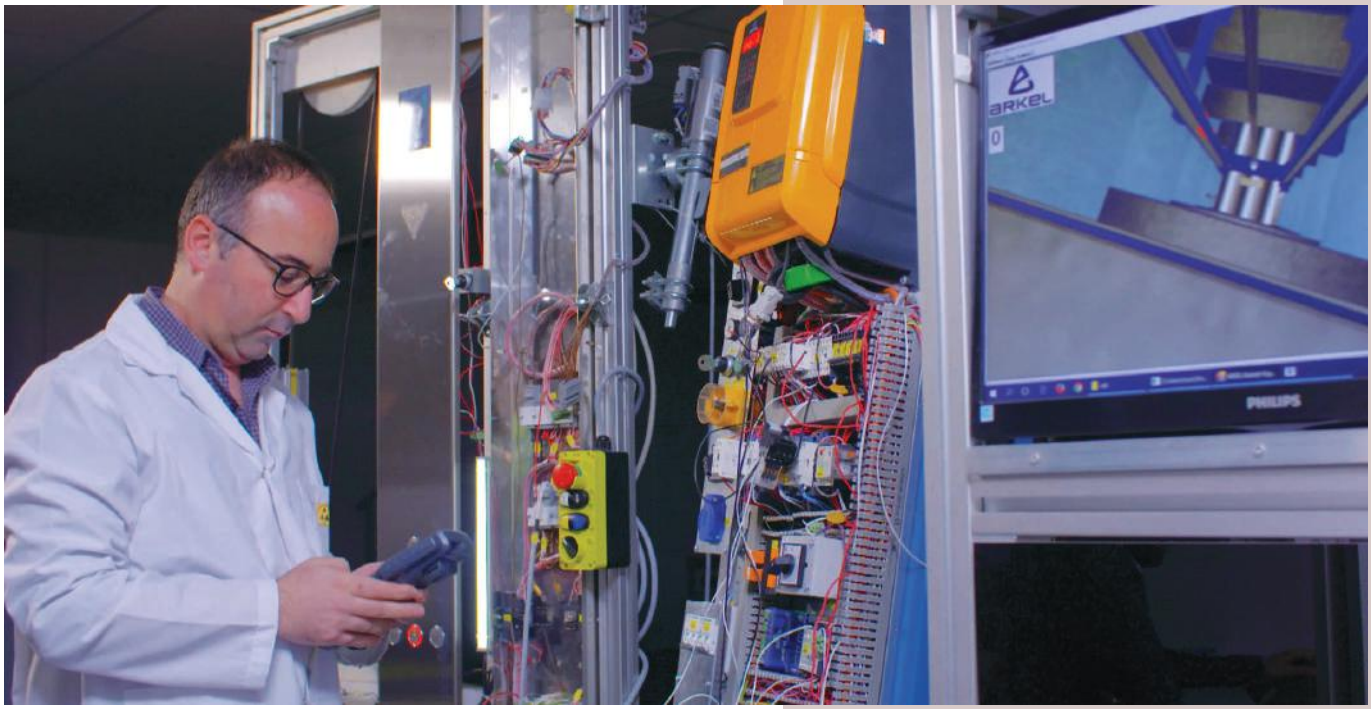
Internet of Lifts

Your best solution partner in the future based on its experience, dynamic team, designs and efficient service support, as it has been your best solution partner so far.

Internet of Lifts

ARKEL ARLIFT

- Remote monitoring of lifts
- Remote diagnostics of failures, live view of controller status screens
- Remote control (emergency calls, floor locking, parking mode, locking the doors, collection mode, change etc.)
- Error notifications (SMS and e-mail).
- Navigation route data to the mobile phone
- Statistical reports
- Past travel logs
- Access to the electrical diagrams of the lift



ARKEL CLOUD WORKING PRINCIPLE

- The data derived from ARCODE is transmitted to ARKEL Cloud system by means of ARKEL ARLIFT device.
- The data collected in ARKEL Cloud can be tracked by authorized users on live from any device that has internet connection.
- Authorized users can view the following data on live: failure status of lift, calling status, floor locking status, car position and car speed
- Any failure in the lift system is notified to the authorized users via SMS or E-mail.

ARCUBE, ARCODE or ARL700

Website
cloud.arkel.com.tr

Remote Monitoring, Alarm and Intercom System for Lifts

ARKEL ARLINE Units

ARLINE-M

Main unit
(with built-in
GSM/GPRS module
and battery)

ARLINE-S-COP

Non-enclosed alarm
unit used in the car
operating panel

ARLINE-S-TP

Enclosed alarm unit
used in the well on
the car roof, under
the car/pitand battery)

ARLINE-S-INT

Intercom unit
used in the machine
room or lift control panel

ARKEL ARLINE Specifications

- Remote alarm system compatible with current EN 81-28:2018 (+AC:2019) and EN 81-70:2018 standards
- EN 81-20-compliant intercom system
- Automatic communication test and failure notification
- Alarm filtering functions
- Instant alarm and error notifications via SMS and e-mail
- Instant monitoring of elevator error codes and alarm status via ARKEL Cloud
- Easy connection using only four cables
- Programmable five inputs and two relay outputs
- Getting directions to the building with lift failure on mobile devices

Regenerative Unit for Lifts

Let's make our world

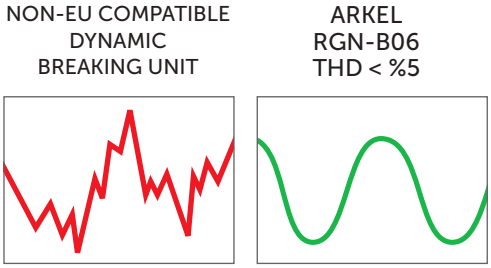
a greener place...

Regenerative Unit for Lifts

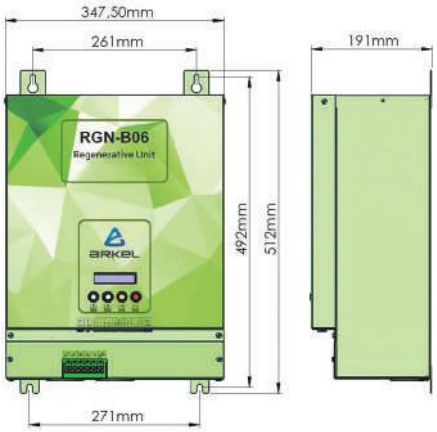
As compared with non-regenerative lifts, it ensures up to 35% energy saving during travelling of the lifts.

The generated energy is transferred back into the mains and then reused.

Nominal power, high performance
Updating with USB on site
Important for green building certificate

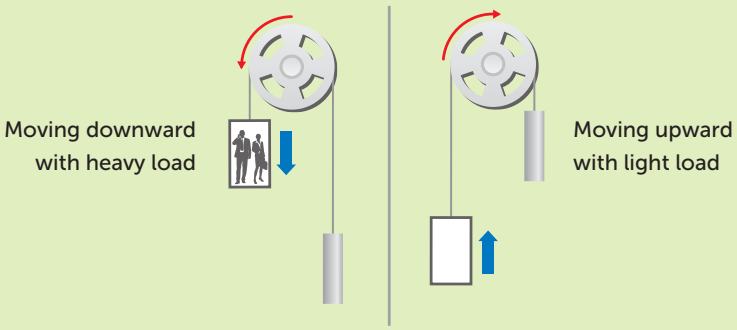


RGN – 06 fully fits **EU-Norms**
to regenrate power back to grid.



Regenerative Unit for Lifts

Lift motors generate energy in the following cases



You can waste this energy or you can recover and reuse it!

Traditional Method

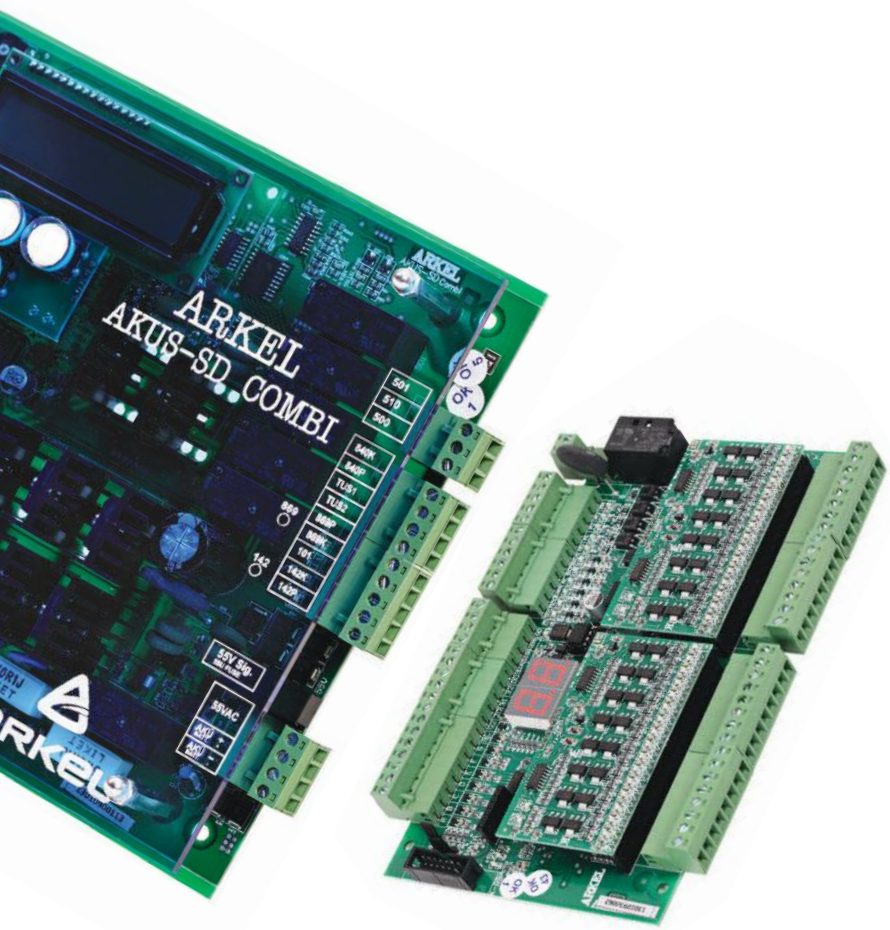
Generated energy is wasted as it is transformed into heat with braking resistance.

Braking resistance

with Regenerative Unit

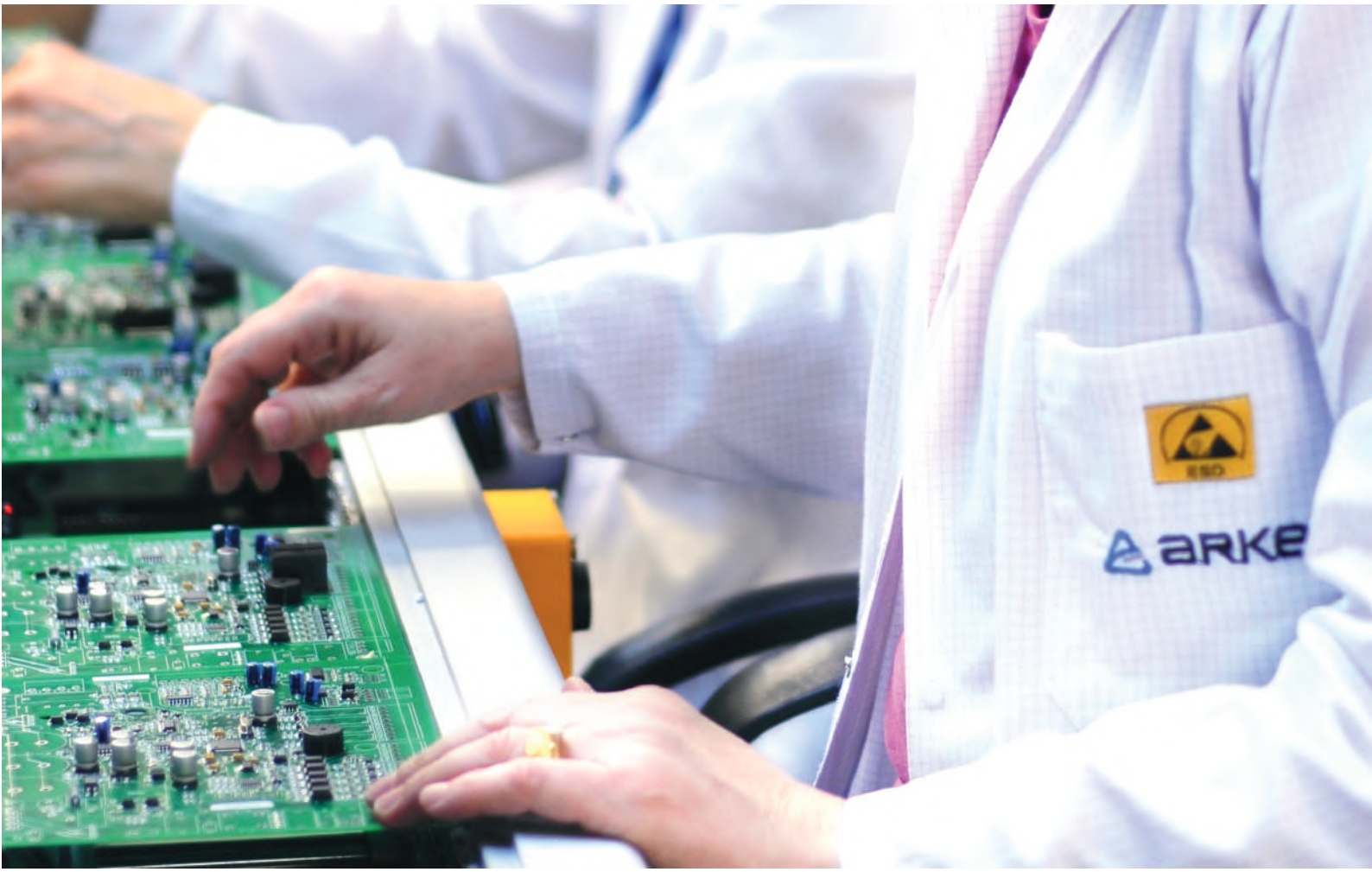
As compared with non-regenerative lifts, it ensures up to 35% energy saving during travelling of the lifts.

The generated energy is transferred back into the mains and then reused.



Auxiliary Units

Result of extensive experience and lift ideas:



Unique user-friendly products by Arkel...

Auxiliary Units

AKUS SD COMBI

AKUS-SD COMBI
Emergency Rescue System

Features

- In case of mains power failure, it moves the car to upper or lower floor level, opens the automatic door and passengers are evacuated in safety
- Can be applied to all one speed, two speed or geared speed-controlled systems
- Gets the power from 5 pcs batteries which need no maintenance
- Thanks to smart battery charge system which does not tire the batteries and makes them work for many years
- With LCD screen, program parameters can be adjusted easily
- Works open loop. No need to put a sensor on the motor
- Designed according to EN 81-1

ApRe

ApRe Regulator Control Unit Board
(EN 81-1/2 + A3)

Features

- ApRe, which is certified according to EN 81-1+A3 standard together with ADrive inverter, is a protection system for A3 compatible overspeed governors against unintended car movement (UCM).
- In the event of safety circuit failure or power failure when lift is on the move, it blocks the activation of parachute brakes and overspeed governor to be locked up.
- Can be used with overspeed governors with 24Vdc (up to 6A) operating voltages.
- Works even in the event of mains failure with the help of additional battery which is to be charged by ApRe.
- Audible and visual warning in case of an error.

FX-RANGE Serial Car Communication Unit

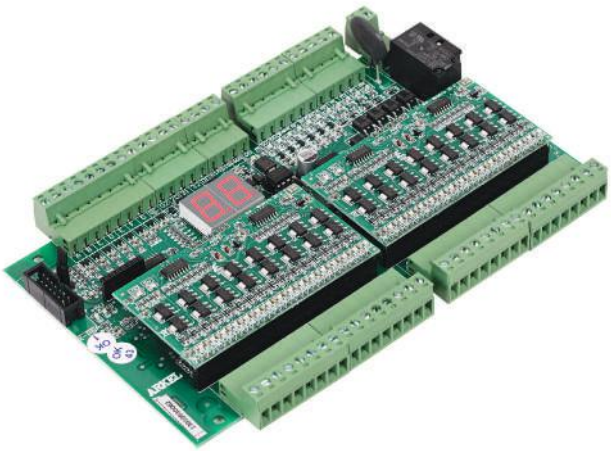
FX-SERİ

Features

- Communicates with ARL-200S and ARL-300 control boards up to 16 floors via two cables
- No installation is needed between car and control panel for car buttons, indicators, overload, full load, gong, direction arrows, car lamp, automatic door open / close buttons and inspection operation buttons

FX-RANGE -32 Serial Car Communication Board for High-Rise Buildings

FX-SERİ-32



Features

- Communicates with ARL-300 control board up to 24 floors via two cables
- Gray/Binary code outputs programmed with ARL-300 lift control board's menu
- Display outputs A,B,C,D,E,F,G on FX-SERI32 board can be programmed as 7-segment, Gray code, Inverted Gray code, Binary code and Inverted Binary code
- No installation is needed between car and control panel for car buttons, indicators, overload, full load, gong, direction arrows, car light, automatic door open / close buttons, inspection operation buttons and Gray/Binary code outputs for position indicators

RK-RANGE Inspection Boxes

RK 22 / RK 32 / RK 51 / RK 71

RK SERİSİ

Features

- Emergency light output
- Alarm, gong, battery charge
- Inspection switch and operation buttons
- Emergency stop (locked)
- Two sockets
- Light socket for lamp

Auxiliary Units

G&Z PLUS

Voice Announcement System

Features

- G&Z plus is a floor announcement and music system designed for lifts.
- G&Z plus uses the sound files in mp3 format, which can be transferred to the SD memory card easily.
- No additional software is required.
- Just drag and drop your sound files into the corresponding folders in SD card.
- Gray code, binary code, Arkel counter mode and CANbus mode are available as an input mode.
- Compatible with Arkel ARCODE ve ARL500 controllers via CANbus serial connection.
- Independent volume control for announcement and music.
- G&Z plus board comes loaded with default English & Turkish messages from the factory.

MTM

MTM Electronic Monostable Switch

Features

- Electronic switching design with hall effect sensor
- Long service life by contactless switching
- Strong protection from impact and vibration
- Ability to observe the operation by built-in LEDs
- Can be used in high speed lifts where a faster detection is required
- Can be used for door safe zone sensing
- Independent operation from the polarity of magnets
- Easy mounting by a plastic holder

LiftSense

Car Position Sensor for Re-Levelling and Door Pre-opening

Features

- Operates only with the existing door zone magnets.
- Neither extra magnets nor magnetic switches are required for re-leveling.
- LiftSense contains 2 pieces door zone detection sensors along with re-leveling sensors, therefore it is not necessary to use extra door zone switches.
- No need to relocate magnets to make sensitive level adjustment.
- 20 magnetic sensors, located in LiftSense, provides position sensitivity of 7,5 mm. • Easy connection to the inspection box through 5 lines composed of supply+, supply-, ML1, ML2 and serial position communication channel.
- LiftSense is a patented product of Arkel.

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