

تابلو فرمان آرکد ARCODE

گیربکس / گیرلس
مجهز به سیستم یکپارچه ARCODE
ارائه حرکت شیرجه ای
سیستم یکپارچه ساخت کشور ترکیه



یکی از محصولات شرکت آرکل کنترل تابلو فرمان آرکد میباشد این محصول در مدت زمان کوتاهی توانسته است بازار بسیار خوبی در کشور های پیشرفته دنیا کسب کند. کیفیت حرکتی حرفه ای و تنظیمات آسان از ویژگی های اصلی این محصول است

مشخصات

سیستم یکپارچه کنترلر و درایو محصول شرکت آرکل ترکیه مناسب برای آسانسورهای گیربکسی و گیرلس کنترل سیستم به صورت Closed Loop دارای الگوریتم هوشمند کنترل گروهی برای آسانسور قابلیت راه اندازی تا ۶۴ طبقه قابلیت استفاده برای آسانسورها تا سرعت ۴ متر بر ثانیه دارای سیستم نجات اضطراری UPS قابلیت هم سطح سازی مجدد Releveling (و باز نمودن زود هنگام درب) ADO دارای پنل قدرتمند Arem جهت انجام تنظیمات از هر نقطه سیستم دارای فیلترهای داخلی EMI و RF برای حذف نویز قابلیت انجام تست های استاندارد مانند ترکشن و پاراشوت قابلیت آزدسازی گاورنر قابلیت عملیاتی بودن آسانسور در زمان قطع برق - تعداد استارت متناسب با ظرفیت باتریها ارائه ی حرکت Direct Approach با دقت بالا حرکت شیرجه ای

پنل AREM تابلو فرمان آرکل

مشخصات

قابلیت ذخیره پارامترها و خطاها بر روی کارت حافظه امکان دسترسی و انجام تنظیمات از هر نقطه آسانسور روی کابین، داخل کابین و طبقات مشاهده و تغییر منحنی حرکت ماینترینگ و تست انکودر امکان شستی دهی مشاهده موقعیت دقیق کابین مشاهده تمام سیگنالها و وضعیت ورودی و خروجیهای سیستم انجام Learn و Auto-Tune

گیربکس / گیرلس
کیفیت و قیمت مناسب
ساخت کشور ترکیه

تابلو فرمان آرکیوب ARCUBE



تابلو فرمان آرکیوب محصول Compact از شرکت Arkel ترکیه می باشد. این تابلو فرمان طرحی ترکیبی از درایو VVVV برد کنترلی و سیستم نجات اضطراری در یک پکیج با کیفیت و قیمت مناسب است .

مشخصات

سیستم Compact ساخت شرکت Arkel ترکیه قابلیت سرویس دهی تا ۱۶ طبقه قابلیت کنترل موتور بصورت Closed Loop مناسب برای آسانسورهای گیرلس ، گیربکس با موتور خانه و بدون موتورخانه امکان کنترل آسانسور تا سرعت ۱.۷۵ متر بر ثانیه ارائه ی حرکت Direct Approach با دقت بالا حرکت شیرجه ای قابلیت سرویس دهی با پنل احضار پارالل و یا سریال CANBUS پشتیبانی از انواع انکودر HTL 12-30VDC.EnDat.SinCos سیستم اتوماتیک تیون موتور با بار، بدون بار جبران خودکار گشتاور در هنگام استارت، بدون نیاز به سنسور وزن دارای الگوریتم هوشمند کنترل گروهی بصورت دوپلکس قابلیت هم سطح سازی مجدد کابین با درب باز Re-Leveling کنترل موقعیت کابین از طریق انکودر موتور و یا سنسور دورانداز سیستم نجات اضطراری UPS مجهز به سیستم Anti Rollback عملکرد خودکار در مد آتش و قابلیت هدایت آسانسور توسط آتش نشان راه اندازی سریع و آسان منطبق با استانداردهای EN81-20 و ISIRI6303



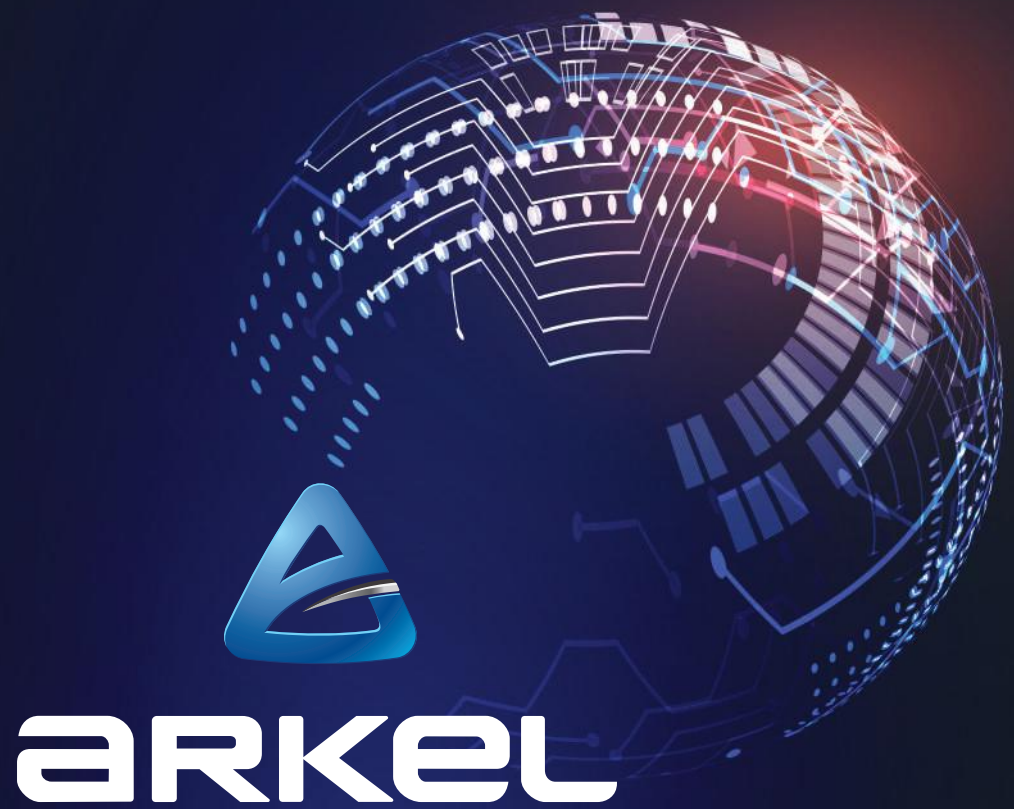


ARKEL

We drive the best technologies.



www.arkel.eu



Arkkel, since 1998

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

Arkkel 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.



3	Introduction
4	Why Arkel?
5	Table of Contents
6	History
8	Factory
10	Product Categories
12	Monoblock Lift Control Unit
16	ARCUBE MRL / ARCUBE SLIM MRL
18	ARTIAS Application
20	Integrated Lift Control Units
24	VVVF Speed Control Units (Inverters)
26	Lift Control Boards
32	Lift Control Panels
34	Door Control Boards
38	Indicators
40	ARKEL ARLIFT Internet for Lifts
44	ARKEL ARLINE Remote Monitoring, Alarm and Intercom System for Lifts
46	Regenerative Lift Control Unit
50	Auxiliary Units



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.

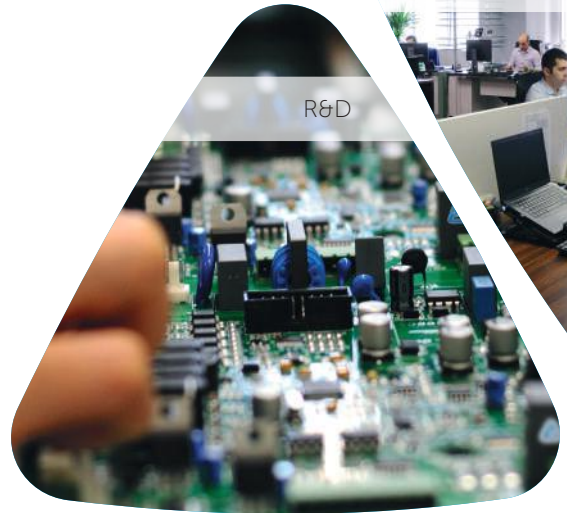


- The Company placed its integrated lift drive into the market in 2013 and is one of the top 3 companies in the world in this field. Red Dot awards, which are significant industrial design awards, were granted to ARCODE integrated lift control unit. In 2014, the product won the first prize in the technology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



R&D

QUALITY



PANEL WIRING



SMD MANUFACTURING PROCESS



100% FUNCTION TEST

MANUFACTURE



SAFE PACKAGING



MATERIAL PREPARATION



SALES & MARKETING

SALES



CONTROL



BACKPLATE ASSEMBLY UNIT



PRE-TEST CONTROL UNIT




THT MANUAL INSERTION LINE



1  Monoblock Lift Control Unit

2  ARTIAS Application

3  Integrated Lift Control Units

4  VVF Speed Control Units (Inverters)

5  Lift Control Boards

6  Lift Control Panels

PRODUCT CATEGORIES

Door Control Boards



7

Displays



8

AR KEL ARLIFT / Lift Media Plus



9

AR KEL ARLINE / Remote Monitoring,
Alarm and Intercom System for Lifts



10

Regenerative Unit for Lifts



11

Auxiliary Units



12



Monoblock Lift Control Unit

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

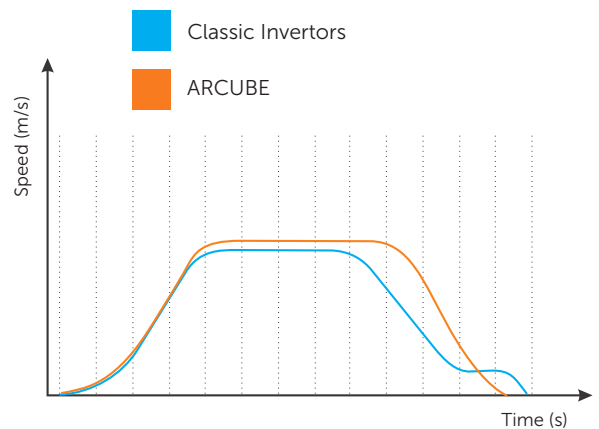
ARCUBE perfectly meets your needs!

- ✦ 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:

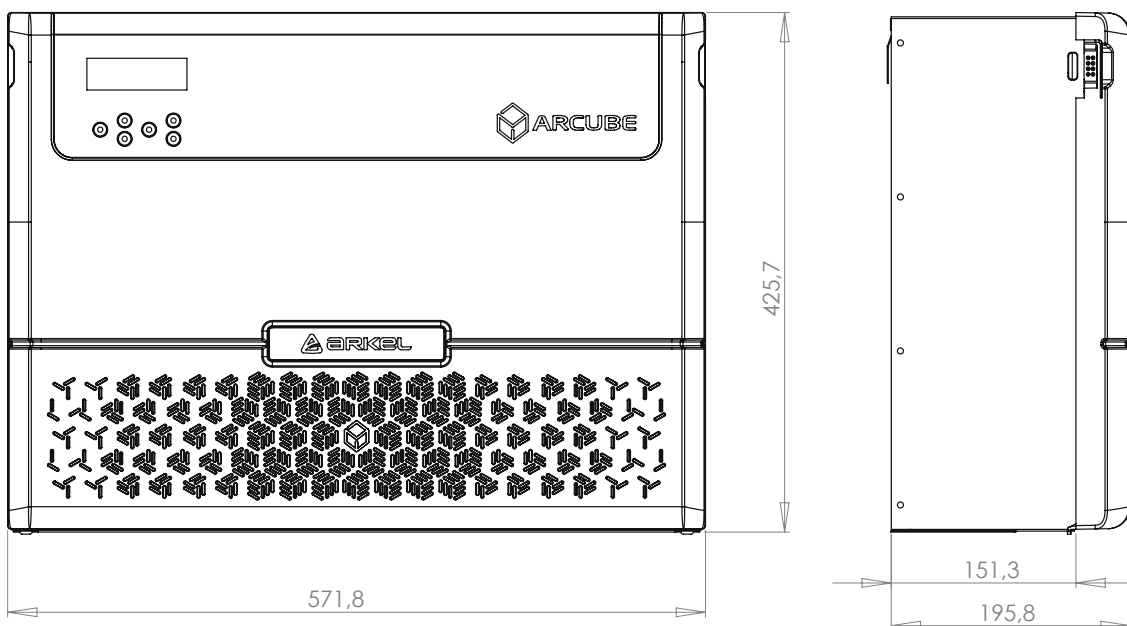
- Shortens travel time with removal of the creeping distance by dynamic calculation of the travel curve.
- Provides easy setup by automatic detection of the deceleration point.
- No additional parameter setting requirement due to automatic calculation of maximum travelling speed according to the floor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

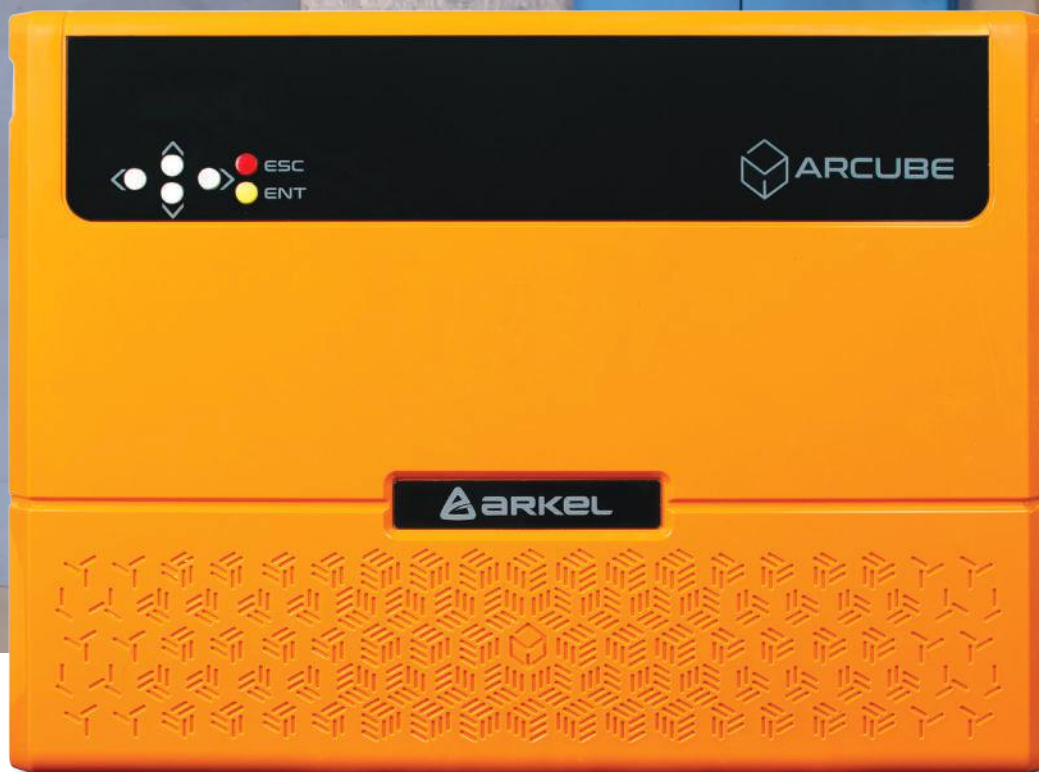




Rescue function with Auxiliary power:

- 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	Contactless drive with STO function
Compliance to Standards	EN 81-20
Rollback Prevention	<i>Rollback prevention at start through pre-torque and anti-rollback functions</i>

ARCUBE SLIM MRL

Lift Control Unit

thinner
design

2100 mm

250 mm

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	Contactless 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

Download updated software
and share by whatsapp or mail

Install your Arcube with
AR-VR option

Detailed Error troubleshooting
steps supported with animations





ARCUBE
MÓDULO DE AGENTE DE MONITORIAÇÃO

ARTIAS



Installation



Documents

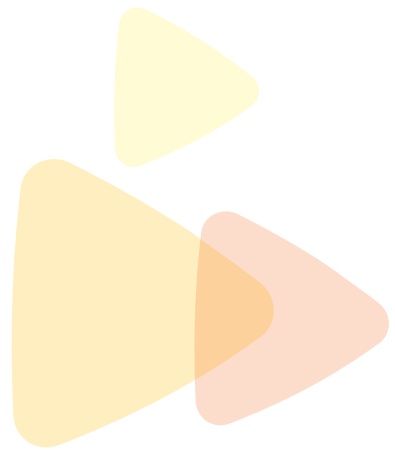


Technical Support



Activation Form





Integrated Lift Control Units

ARCODE®

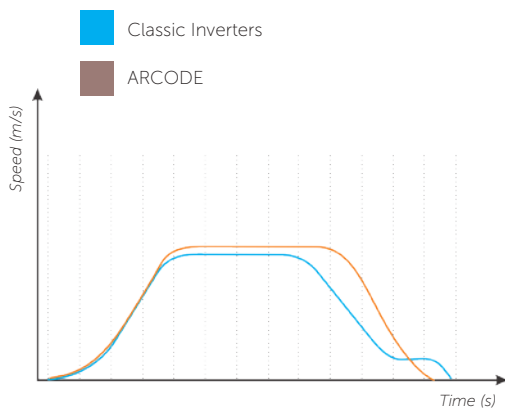


ARCODE

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

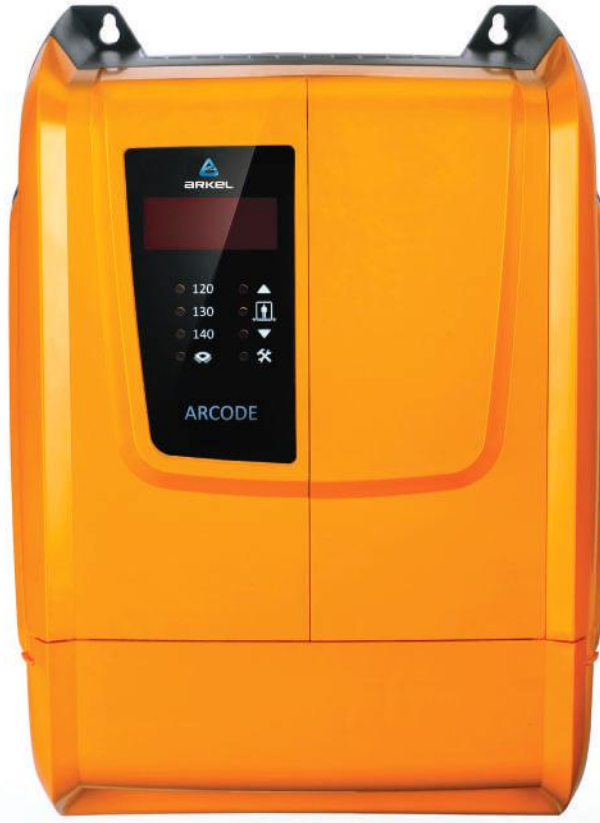
ARCODE Models

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

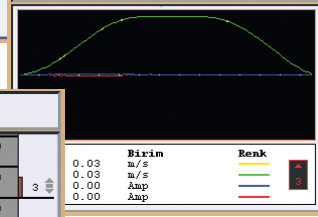
Programming tool for ARCODE

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



Sürücü Grafikleri



Hedef durağa gidiyor					
Hız	1.6	m/s			
Akım	0.3	amp			
Devir	291	rpm			
DC Bara	552	V			
Pozisyon	3.65	m			

Birim	Renk
0.03 m/s	Green
0.03 m/s	Blue
0.00 amp	Red
0.00 amp	Yellow

120	14P	ML2	818	EN	MCT
130		ML1	817	KRC	PPM
140	LTR	869	870	BRK	





VVVF Speed Control Units (Inverters)

ADrive



Synchronous / Asynchronous

COMFORTABLE SOLUTION

ADrive Models

Model	kW	In	I _{max} (< 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

VVF 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

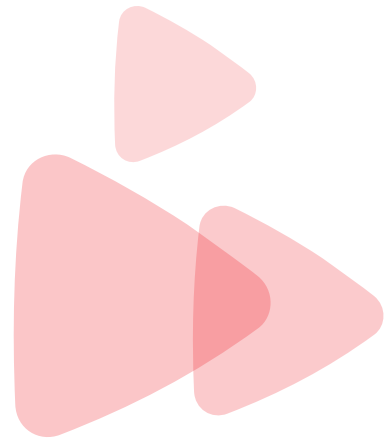
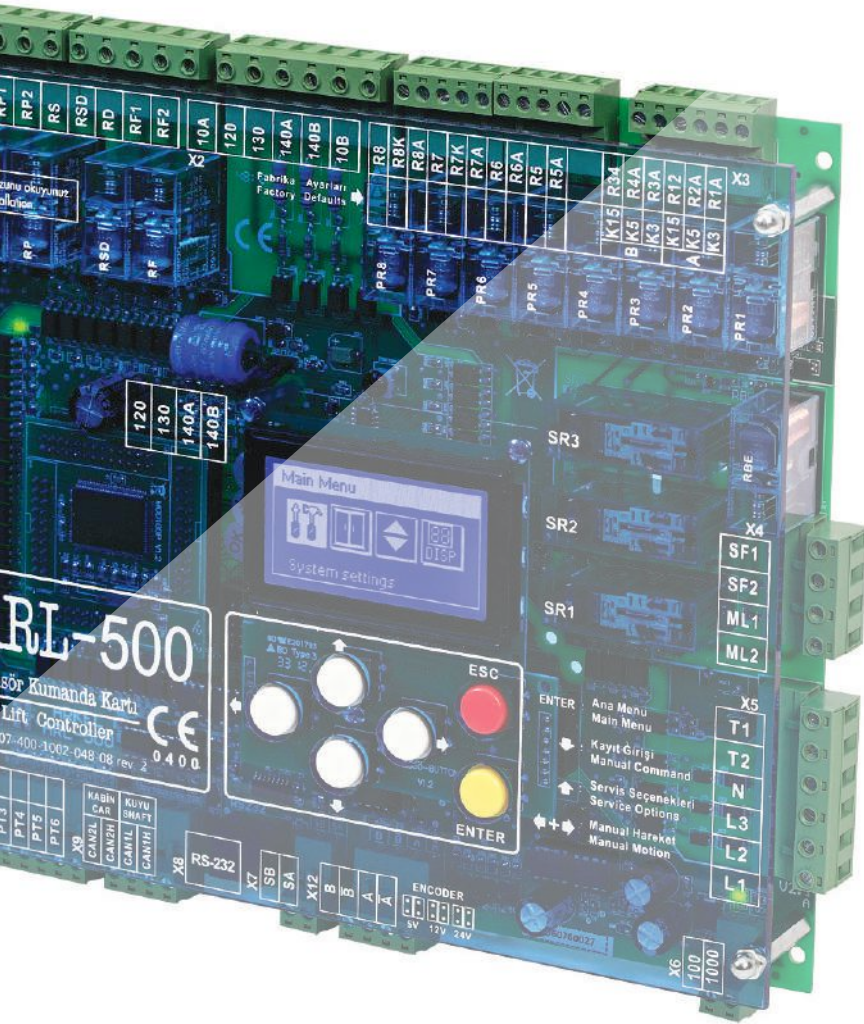
Absolute encoder connection and other functions used for Gearless Motors are supported by ENCABIT-Plus card.



SCR01 ADrive Button and Indicators

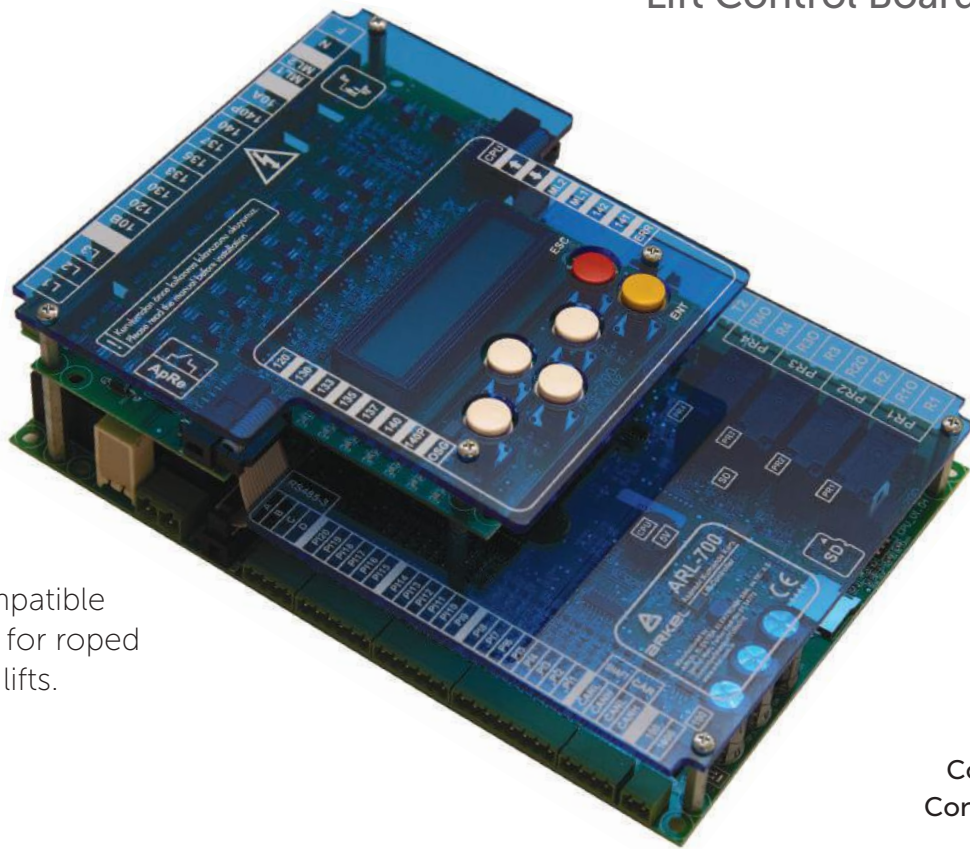
ADrive menu control is provided by SCR01 Button and Indicators, when it is impossible to directly access to the display panel of ADrive motor drive.

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



Lift Control Boards

ARL-700

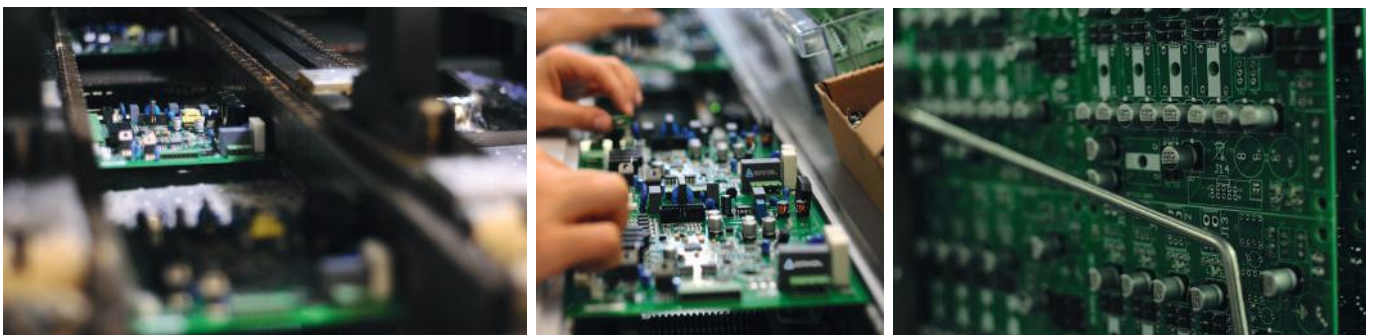


EN 81-20 compatible control board for roped and hydraulic lifts.

Complete Lift Control System

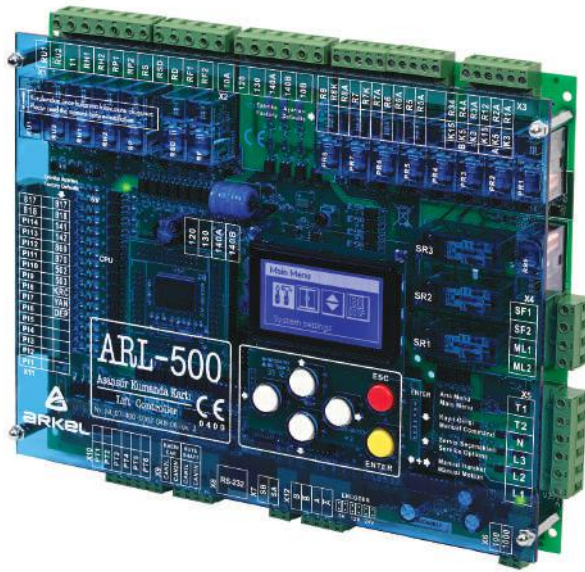
Features

- 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

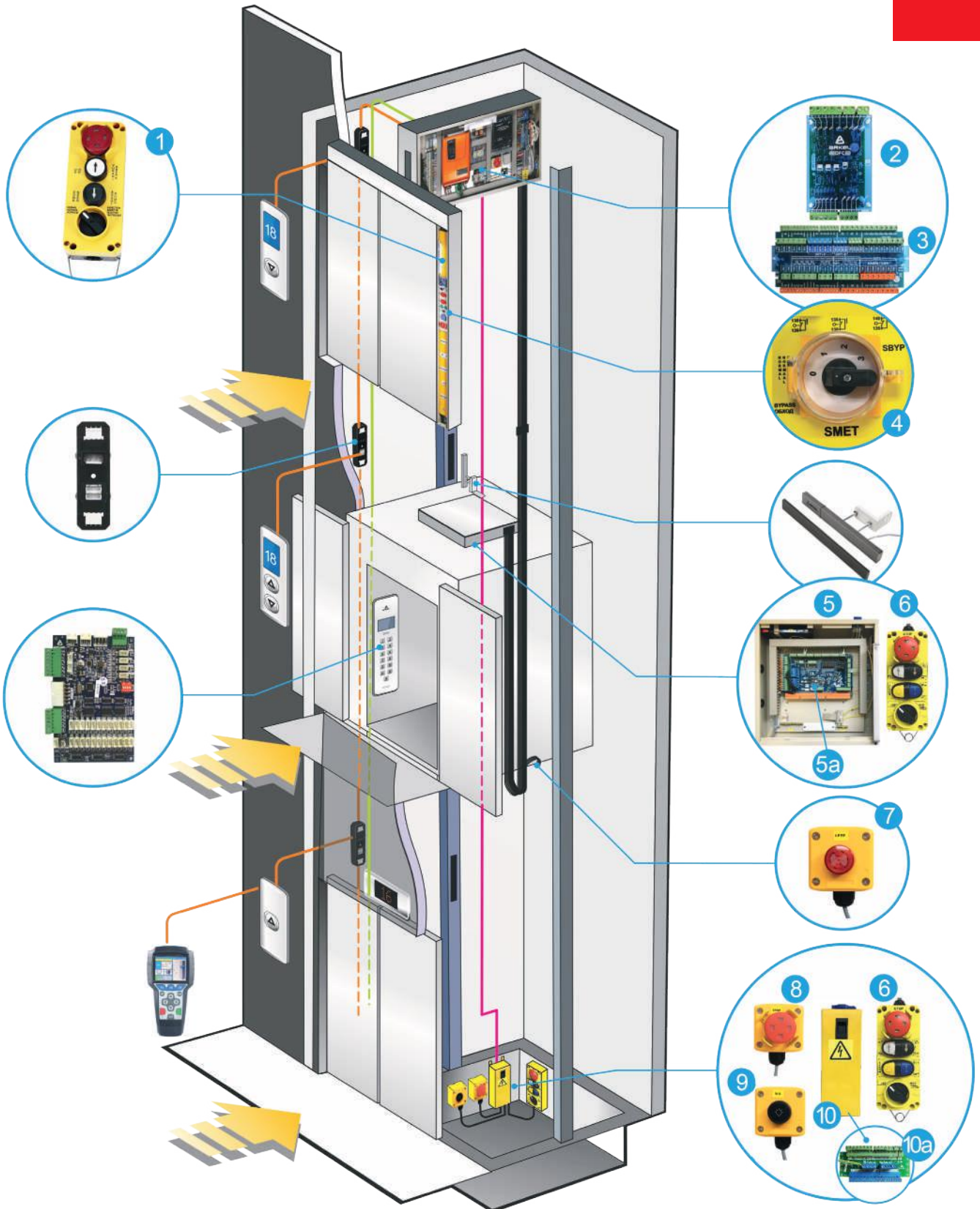


ADVANCED SOLUTIONS,
ADVANCED FEATURES

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

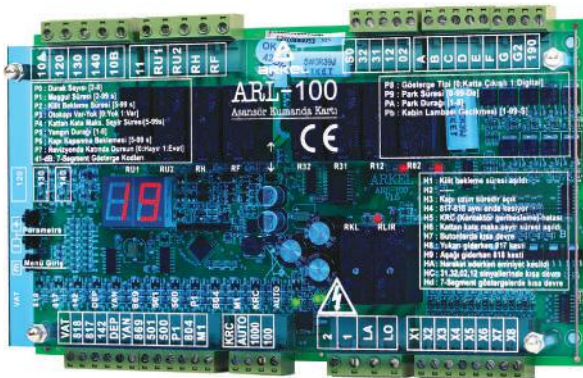


Functional Programmed Control Board

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

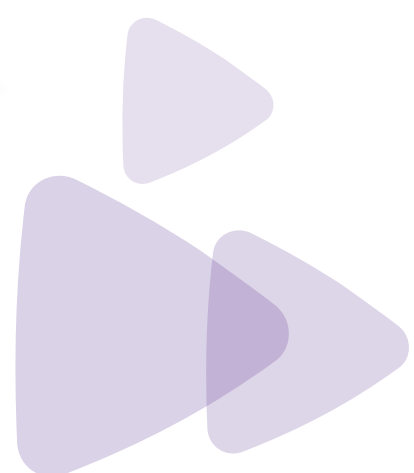
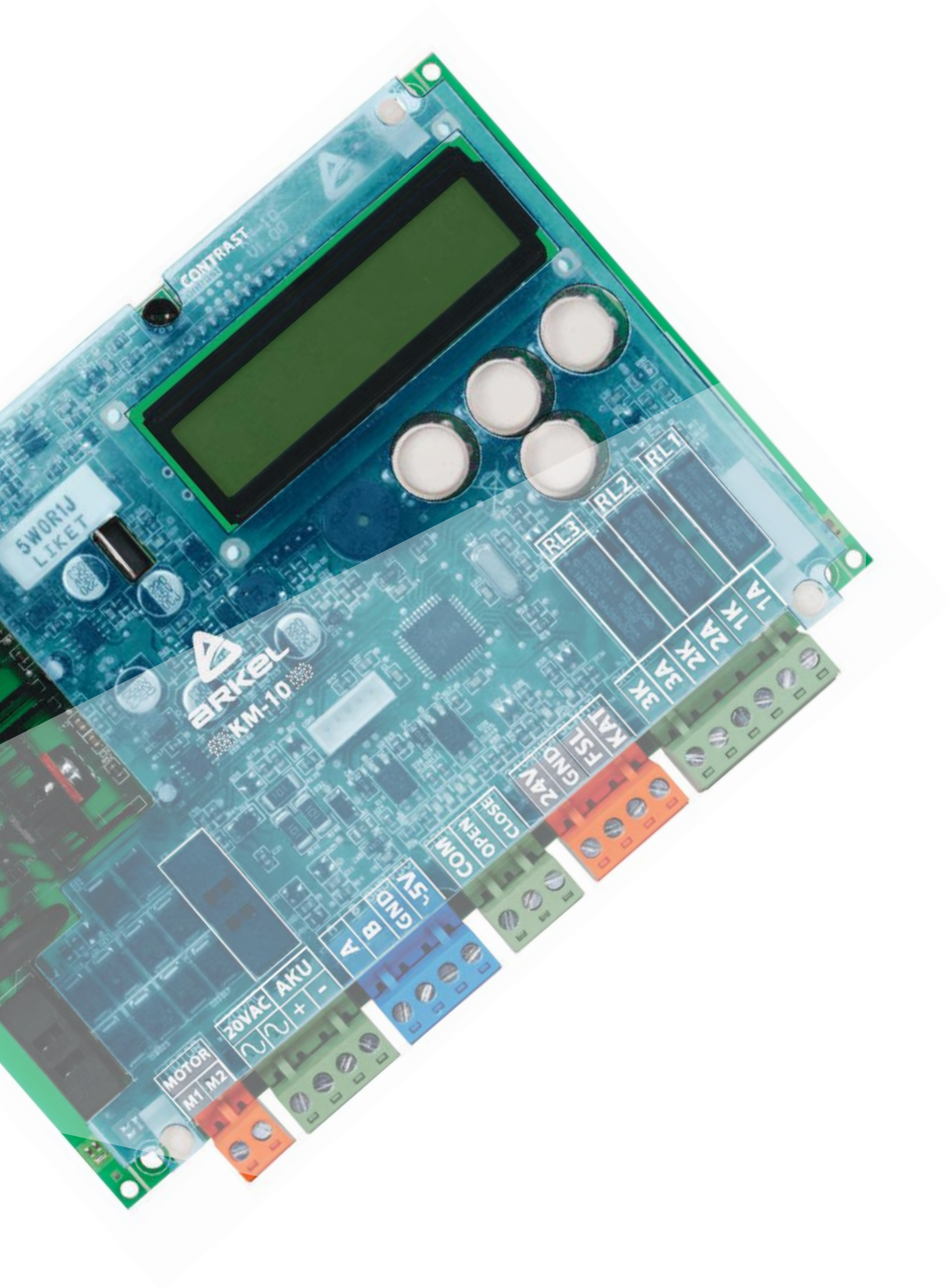
- Serial Car & Serial Leveling
- Serial Car & Parallel Leveling
- Parallel Car & Parallel Leveling

Car Position Data

- With Magnetic Switches
- * With Encoder System



New era in lift control...



Door Control Boards

KM-30S

NEW



Door Control Board for 220 VAC Synchronous Motor Telescopic Lift Doors

Reliability of KM-30S:

KM-30S contains power-off 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 suffer 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 acceleration 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 suffering any damage by passing through the congestion area slowly.

Installation of KM-30S:

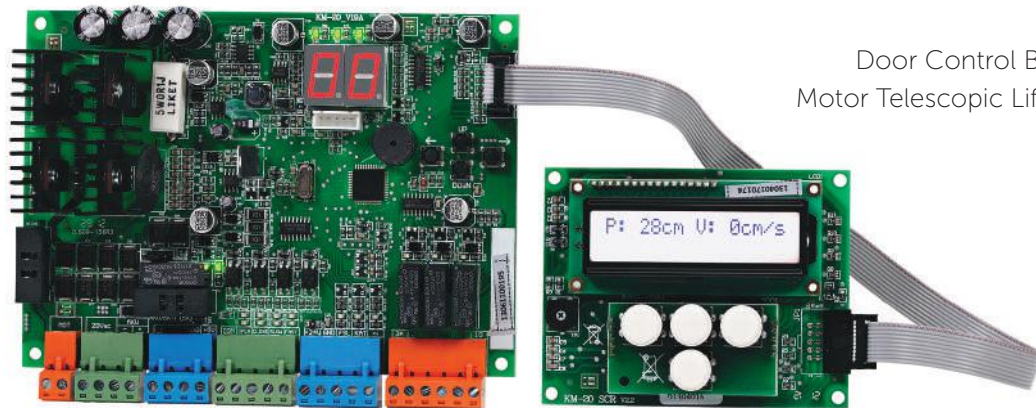
KM-30S was designed to ensure maximum ergonomics and ease of installation. It could be installed on the upper frame of the elevator door, next to the door motor or behind the door strap. Its size is 310 x 112,6 x 30 mm. KM-30S is fully compatible with Arkel "KM-30S Motor".

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



Door Control Boards

KM-20



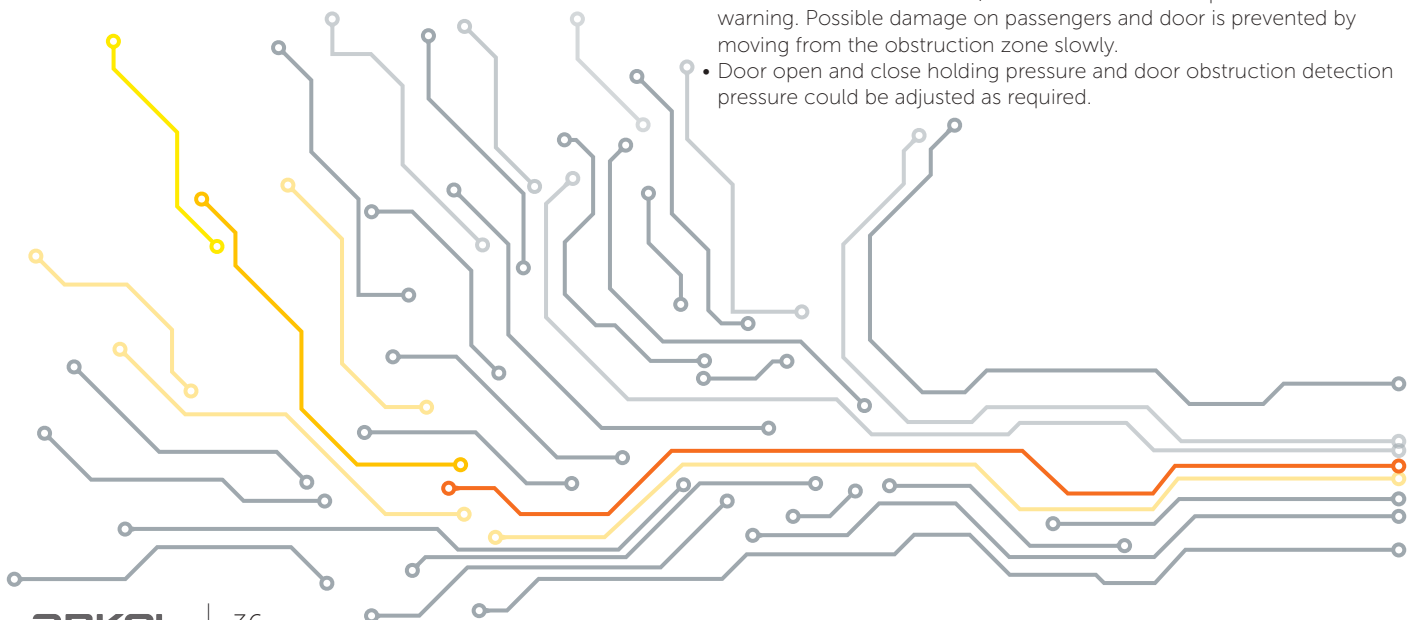
Door Control Board for 24 VDC Motor Telescopic Lift Doors Features

KM-20 Control Board

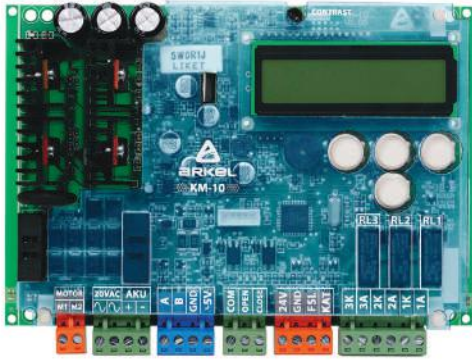
- Based on slow speed signal input, a nudging function is used, which allows for closing the door slowly with an audible alarm in case of failure of photocell for a long time, without considering the photocell signal.
- Suitable for use with fire lift doors (high speed signal input can be detected).
- 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.

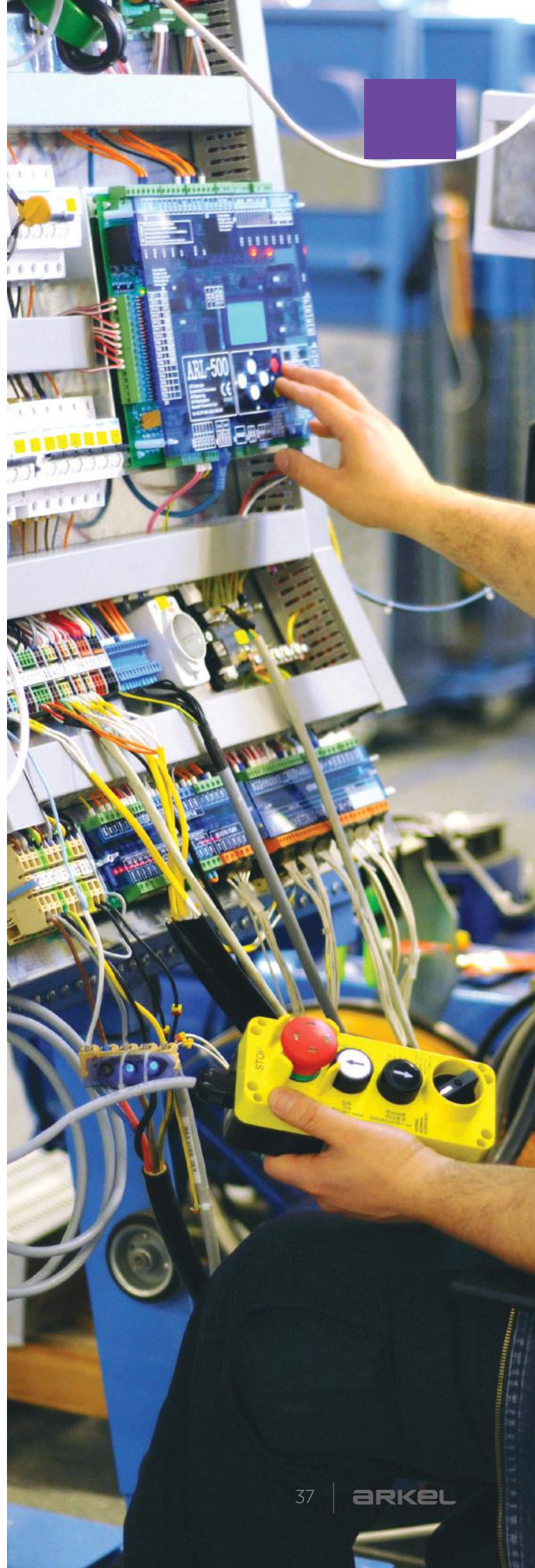


KM-10



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.

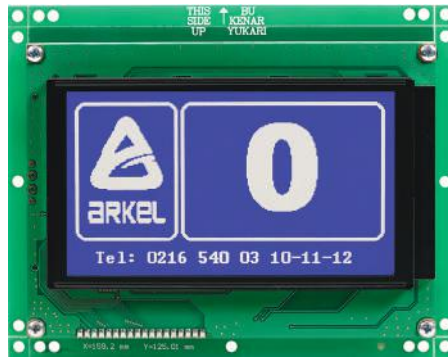




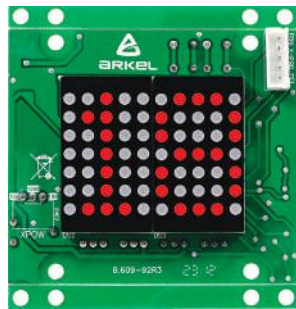
LCD10555 Multi Color LCD Display



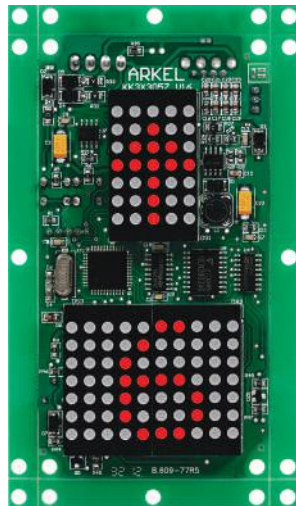
LCD 240X128A
240 x 128 Pixel Resolution Graphic
LCD Display for Lifts



2X3057 Series Dot Matrix
Call / Display Module



3X3057 Series Dot Matrix
Call / Display Module



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



Floor Call Board
(Without Display)

Displays



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.



The collage displays various ARKEL Cloud interface elements:

- User Profile:** A form for Edward Hurley with fields for Name, Email (eduard.hurley@garexosagh.com), Phone (632 000 00 01), Mobile Phone (654 000 00 01), Password (CT430T), and User Type (Company User). A Permissions section includes checkboxes for managing firm information, users, assets, and security.
- Company: Pina A Andalos Dashboard:** Features a map of Europe, a sidebar with navigation icons (Dashboard, Users, Buildings, Elevators, Car Displays, Companies), and status bars for Users (1/1 Online) and Elevators (0/0 Online).
- SouthWest Elevator Control Panel:** Shows a 3D elevator shaft diagram with floors 1-5. It includes a table for 'Errors' and 'Door Zones' with columns for 'Call', 'Lock', and 'Status'. Buttons for 'Call' and 'Lock' are visible at the bottom.
- Company: Andalos Elevator Form:** A simple form with a title 'Add New Elevator' and a 'Name' field labeled 'Building Name'.
- Company: Andalos Elevator Dashboard:** Similar to the first dashboard, showing a map and status bars for Users (1/1 Online) and Buildings (0/0 Online).



- 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

ARKEl ARLINE-M

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



ARKEl ARLINE-S-COP

Non-enclosed alarm
unit used in the car
operating panel



ARKEl ARLINE-S-TP

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



ARKEl 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.

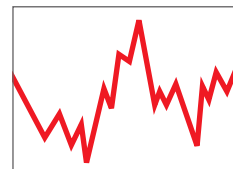
The generated energy is transferred back into the mains and then reused.



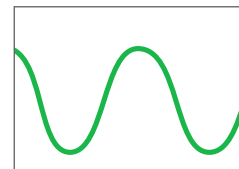
Nominal power, high performance
 Updating with USB on site
 Important for green building certificate



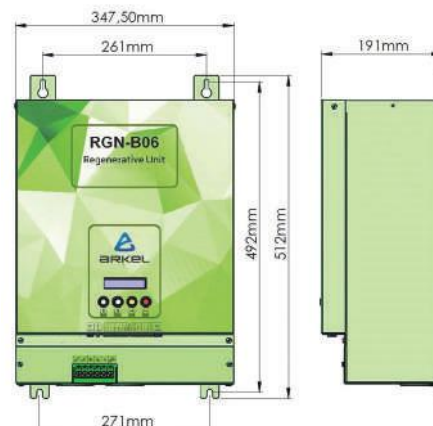
NON-EU COMPATIBLE
 DYNAMIC
 BREAKING UNIT



ARKEl
 RGN-B06
 THD < %5

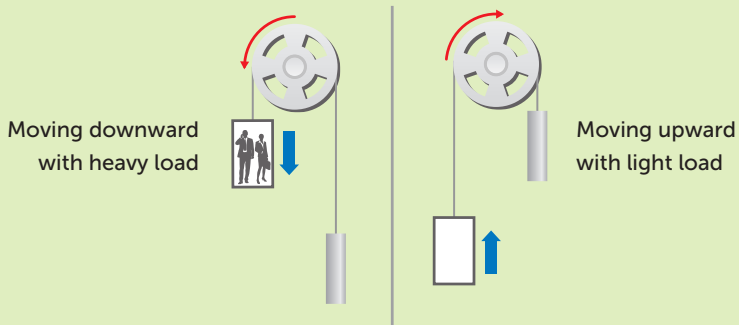


RGN - 06 fully fits **EU-Norms**
 to regenerate power back to grid.



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.



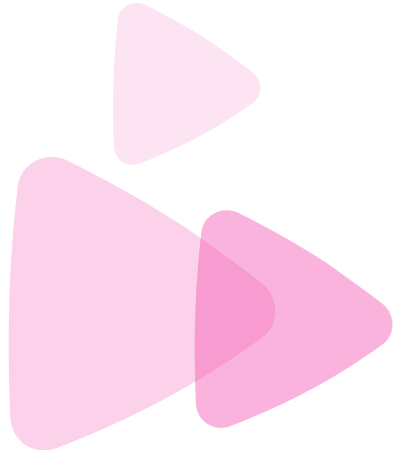
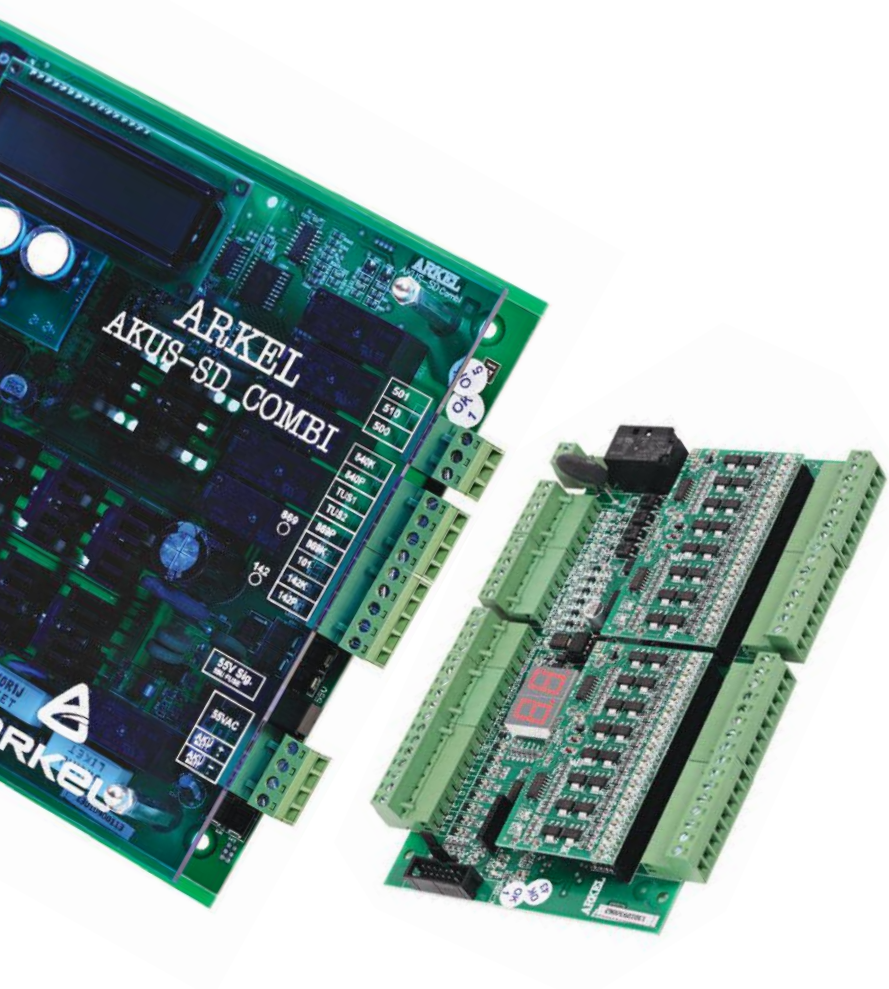
Braking resistance

with Regenerative Unit

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



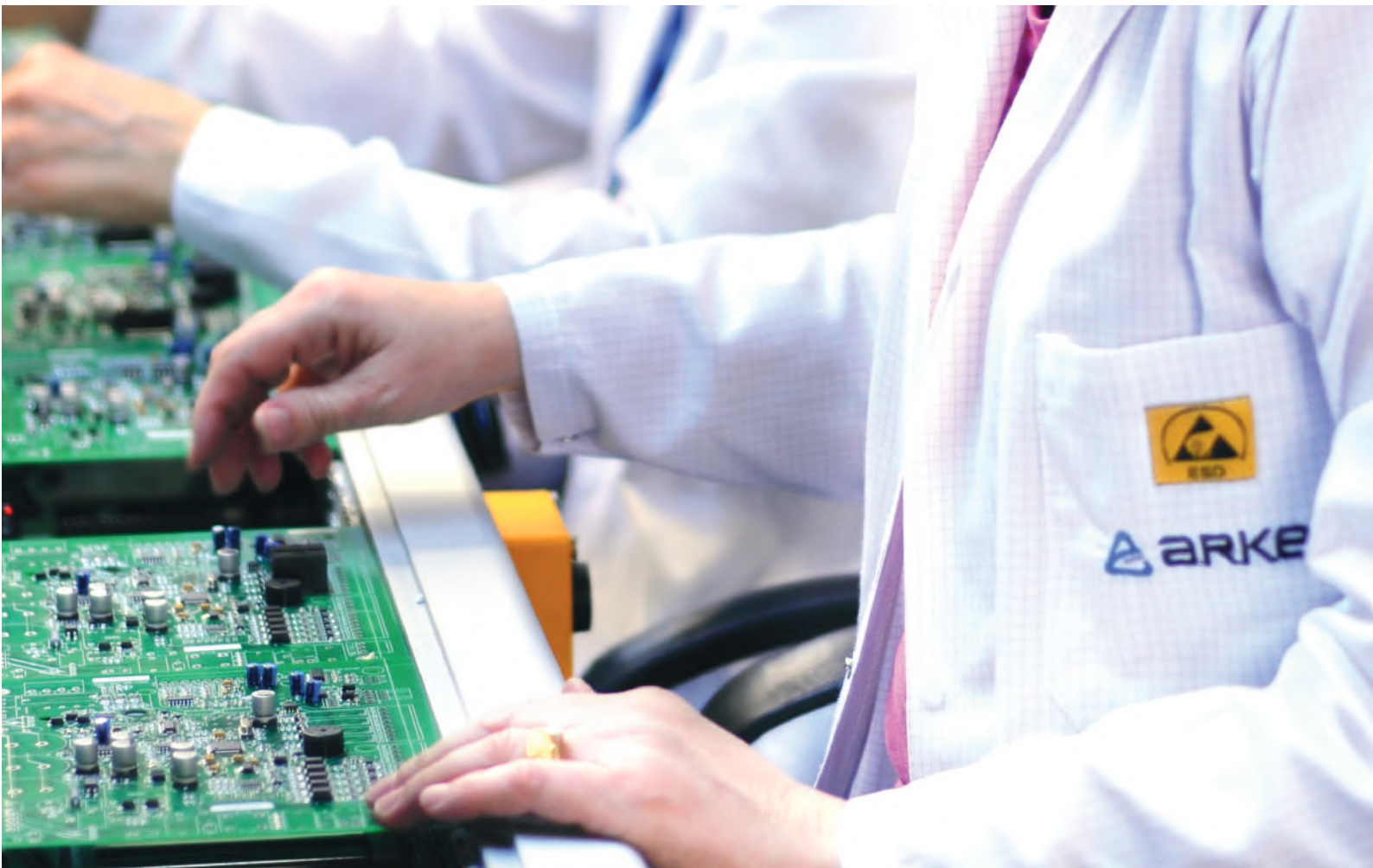
The generated energy is transferred back into the mains and then reused.



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.



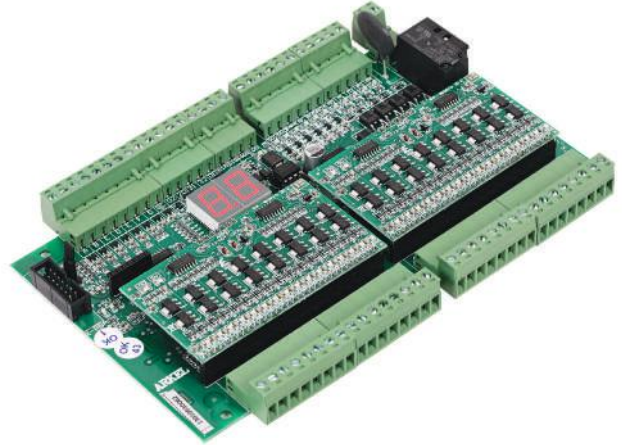
FX-RANGE Serial Car Communication Unit

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

FX-SERI



FX-SERI-32



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

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 SERISI



Features

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

Auxiliary Units

Voice Announcement System



G&Z PLUS

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-Leveling 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.



ARKEL

ARKEL ELEKTRİK ELEKTRONİK SAN. ve TİC. A.Ş.

Eyüp Sultan Mah. Şah Cihan Cad. No:69 Sancaktepe/Istanbul 34885 TÜRKİYE

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