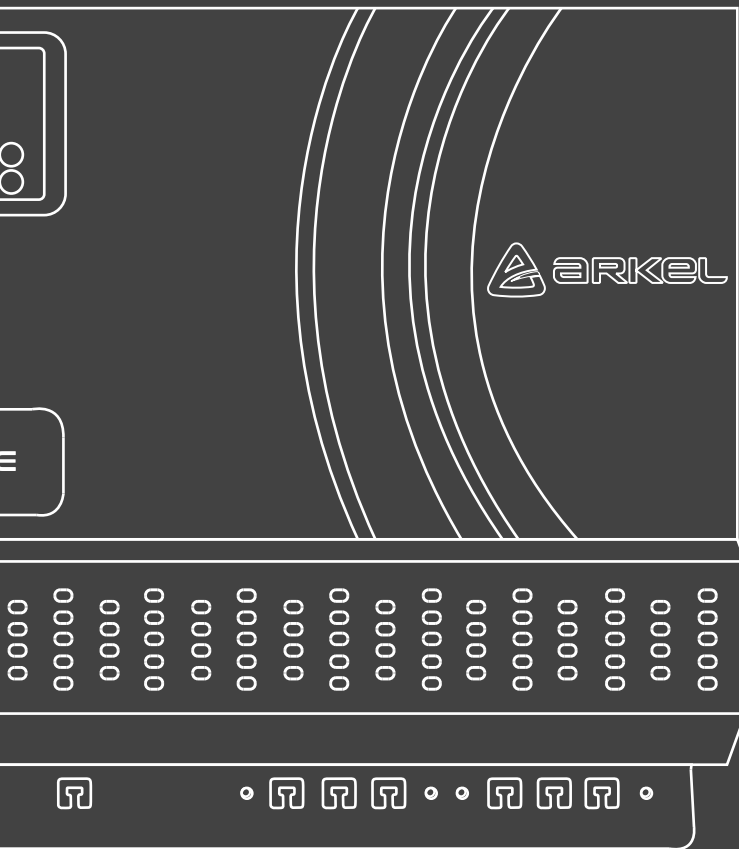


NEW



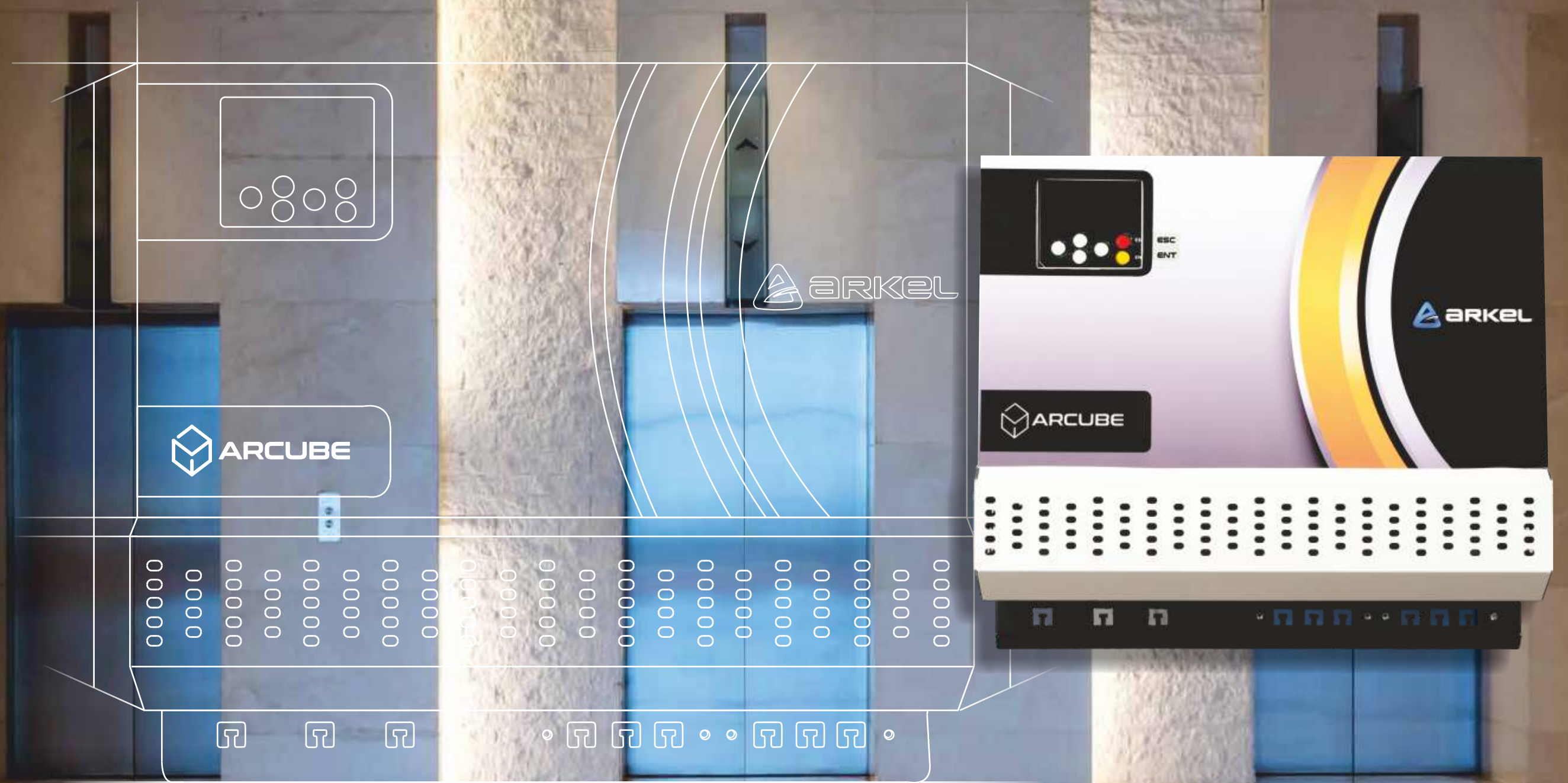
ARKEL

NEW ERA IN ELEVATOR CONTROL



MONOBLOCK ELEVATOR CONTROL UNIT





SILENT

DURABLE

INNOVATIVE

COMPACT DESIGN

EASY TO INSTALL

EVOLUTION OF ELEVATOR CONTROL



1924
Relay Logic



1979
Microprocessor



1990
Discreet
(VVVF Drive)



2013
Integrated
Drive



2019
Monoblock

"World's Smallest Elevator Control Panel"



ARCUBE combines VVVF drive unit, control board, ARD logic and other panel elements as a single monoblock unit.

- Small, lightweight and ready to install.
- Made by OEM
- Reliable and industrialized
- No Motor Contactor, Noiseless MRL installation (STO Function)
- One for All - Open Loop / Close Loop, Geared / Gearless.
- Cost advantage on freight, handling and labour
- Ability to work open and close loop
- Built-in announce system on inspection box board.
- System update via SD Card
- Less traveling cable requirement
- Silent operation

Efficient ARD logic function:

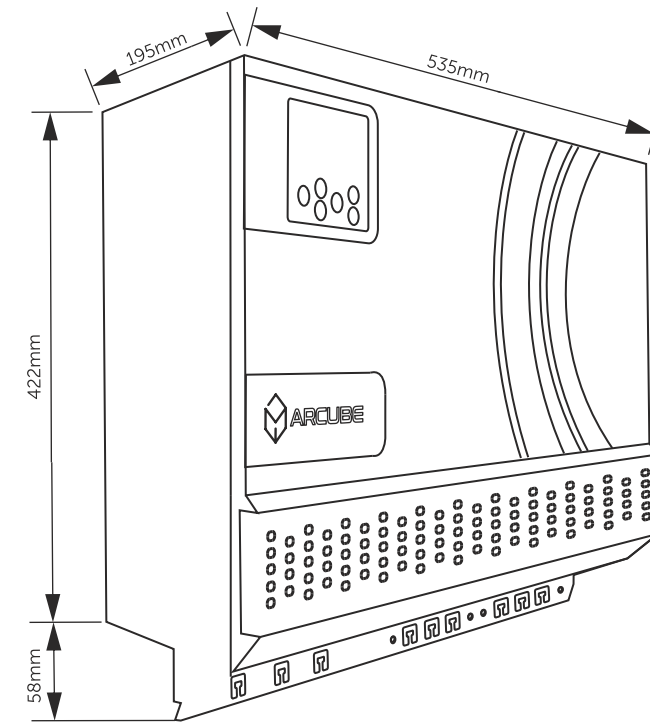
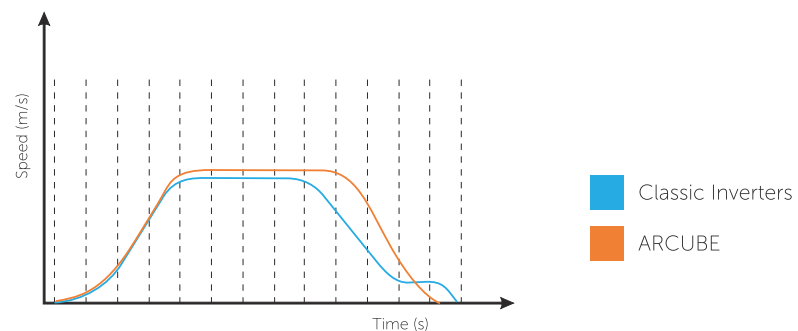
- 1Phase UPS or 5 x 12V batteries backup power source option.
- Batteries are connected directly to the ARCUBE unit. Eliminates unnecessary battery power conversion stages. Ensures long and reliable battery life
- Inbuilt mains power failure switching relay contacts.

With "Direct Landing" feature, ARCUBE:

- 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.

ARCUBE perfectly meets your needs!

- Duplex group control
- Static motor auto tune
- Automatic encoder direction tracking
- Travel distance based variable speed ramp
- Anti-roll back function with pre-torque
- Single phase installation and motor drive capability
- Fire and evacuation function
- Firefighter mode
- Attendant service mode
- Call priority service mode
- Panic evacuation mode
- Call cancel by double press
- Automatic, Semi automatic, Manuel door options

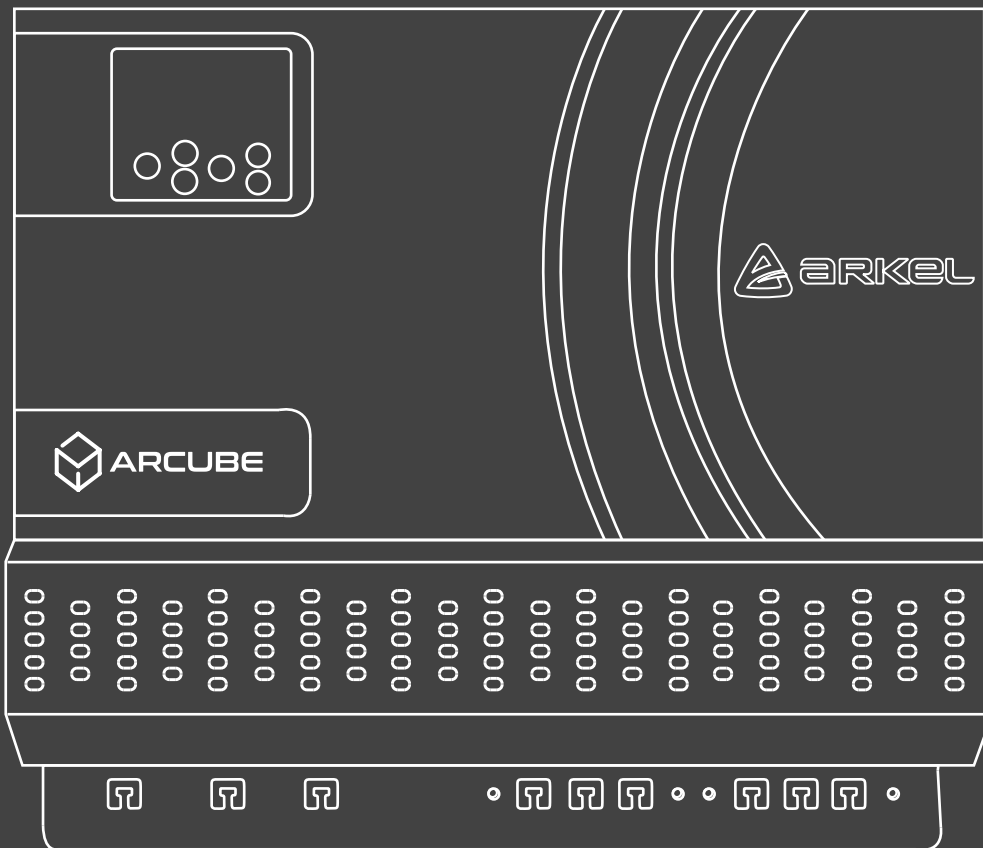


Technical Specifications

Model	3P4AS10A-1	3P4AS14A-1	3P4AS17A-1	3P4AS26A-1	3P4SN10A-1	3P4SN14A-1	3P4SN17A-1	3P4SN26A-1
Input Supply	AC 3PH, 340-420V, 50/60Hz				AC 3PH, 340-420V, 50/60Hz			
Motor Type	Asynchronous				Synchronous			
Motor Output	AC 3PH, 0-400V, 0-100Hz				AC 3PH, 0-400V, 0-100Hz			
Motor Nominal Current (Inom)	10A	14A	17A	26A	10A	14A	17A	26A
Motor Max Current (<6s)	20A	28A	34A	52A	20A	28A	34A	52A
Brake resistor	50R/1kW	50R/1kW	50R/1kW	40R/1kW	50R/1kW	50R/1kW	50R/1kW	40R/1kW
ARD	60VDC Battery Supply 220VAC Single Phase Line Supply Unit							
Encoder	5V TTL, 10-30V HTL				Endat, SSI, SinCos, BISS			
Landing (LOP) Indicators	Gray, Binary, 7 segment via MSP-16_Exp parallel board.							
Car (COP) Indicators	Gray, Binary, 7 Segment							
Inputs	4 programmable							
User Interface	Character LCD(4 lines 20 Characater)							
Number of stops	9 Full Collective, 16 Down Collective							
Drive	Electrical							
Shaft Position System	Magnetic switches or Motor encoder							
Collection Type	Single Button Single Direction, Single Button Both Direction, Double Button, Non-Collective Universal.							
Elevator speed	1,75m/sec							
Door control	Single door							
Car travelling cable	Available with cost advantage. Only 24 cores flat cable is required.(17 wires obligatory, 7 wires spares)							
Serial car communication	Available							
COP button connections	Parallel over FX_Cube board							
Pre-wired landing door contact / lock cabling	Available							
Car Announcement system	Available (Inbuilt on Fx-Cube board)							
Inbuilt Motor Phase protection and Temperature control	Available							
Software update	Available							
Weight	20,2Kg Net (Gross:21,8Kg with carton box)							
Dimensions	Width= 537mm, Depth = 200mm, Lenght = 422mm (480mm with steel cable bracket)							
Operational temperatures	0-50°C							



ARKEL



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