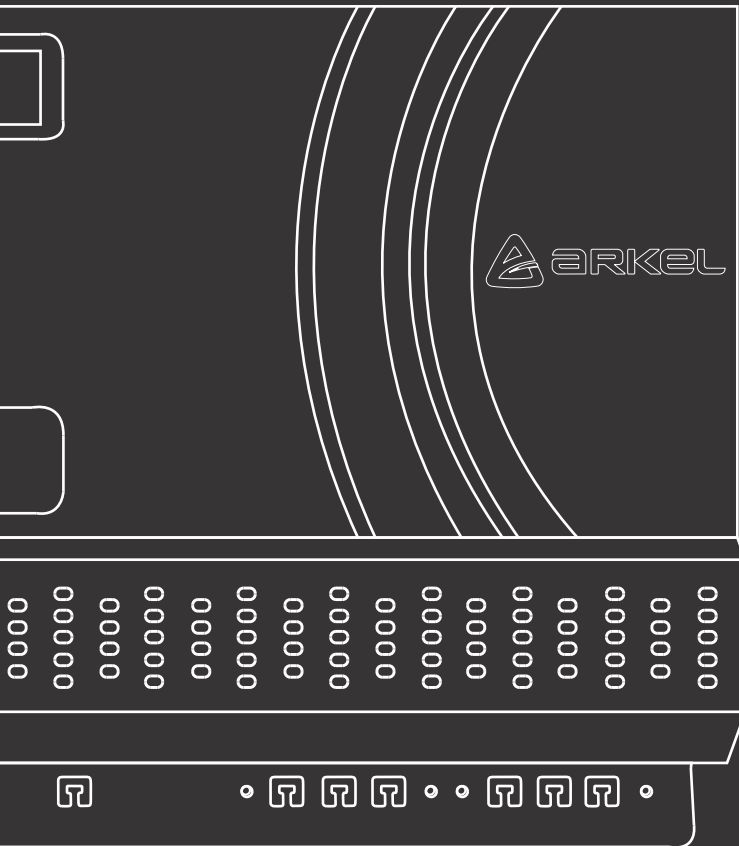


**NEW**



# ARKEL

*NEW ERA IN ELEVATOR CONTROL*



*MONOBLOCK ELEVATOR CONTROL UNIT*



# EVOLUTION OF ELEVATOR CONTROL



1924  
Relay Logic

1979  
Microprocessor

1990  
Discreet  
(VVVF Drive)

2013  
Integrated  
Drive

2019  
Monoblock



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*

Monoblock Elevator Control Unit



### Arcube Technical Specifications

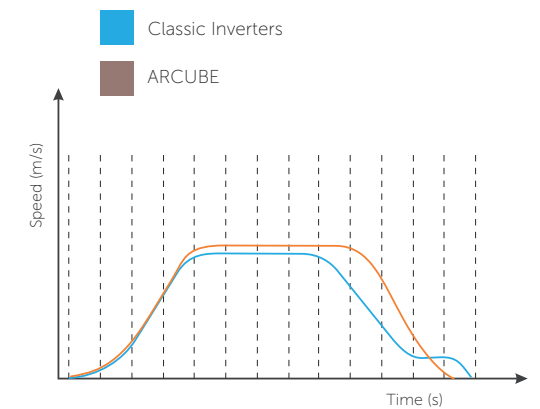
Model	3P4AS10A-1	3P4AS14A-1	3P4AS17A-1	3P4AS26A-1	3P4SN10A-1	3P4SN14A-1	3P4SN17A-1	3P4SN26A-1
Input Supply	AC 3PH, 340-420V, 50/60Hz				AC 3PH, 340-420V, 50/60Hz			
Motor Type	Asynchronous				Synchronous			
Motor Output	AC 3PH, 0-400V, 0-100Hz				AC 3PH, 0-400V, 0-100Hz			
Motor Nominal Current (Inom)	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 oC							

### 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
- ▶ Comfort Travel Ramp function
- ▶ Automatic, Semi Automatic, Manual Door options



# WORKING FOR SUCCESS

AR KEL always strives to achieve success based on its awareness of responsibilities as your solution partner.

Arkel aims to be your unique partner, with goal to provide value to the elevator industry. Success for ARKEL means retaining and improving trust-based cooperation for long years.



SAFE PACKAGING

LEAN MANUFACTURING

## SALES



SALES & MARKETING



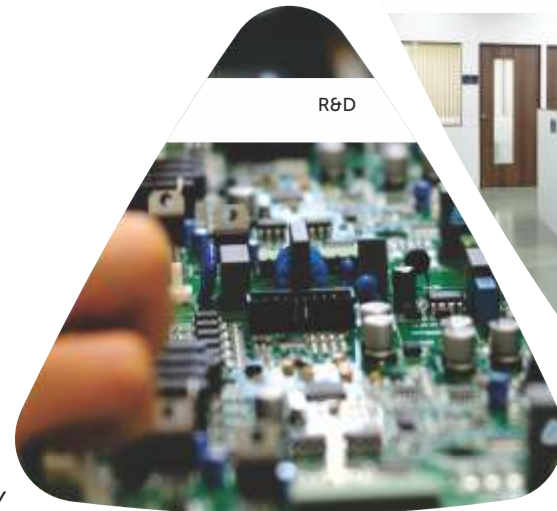
SMD MANUFACTURING PROCESS



BACKPLATE ASSEMBLY UNIT



PANEL WIRING



R&D



THT MANUAL INSERTION LINE



PRE-TEST CONTROL UNIT

## QUALITY



PRE-TEST CONTROL UNIT - TOUCH UP



SMD BUFFER STOCK



ARKEL INDIA



MATERIAL PREPARATION

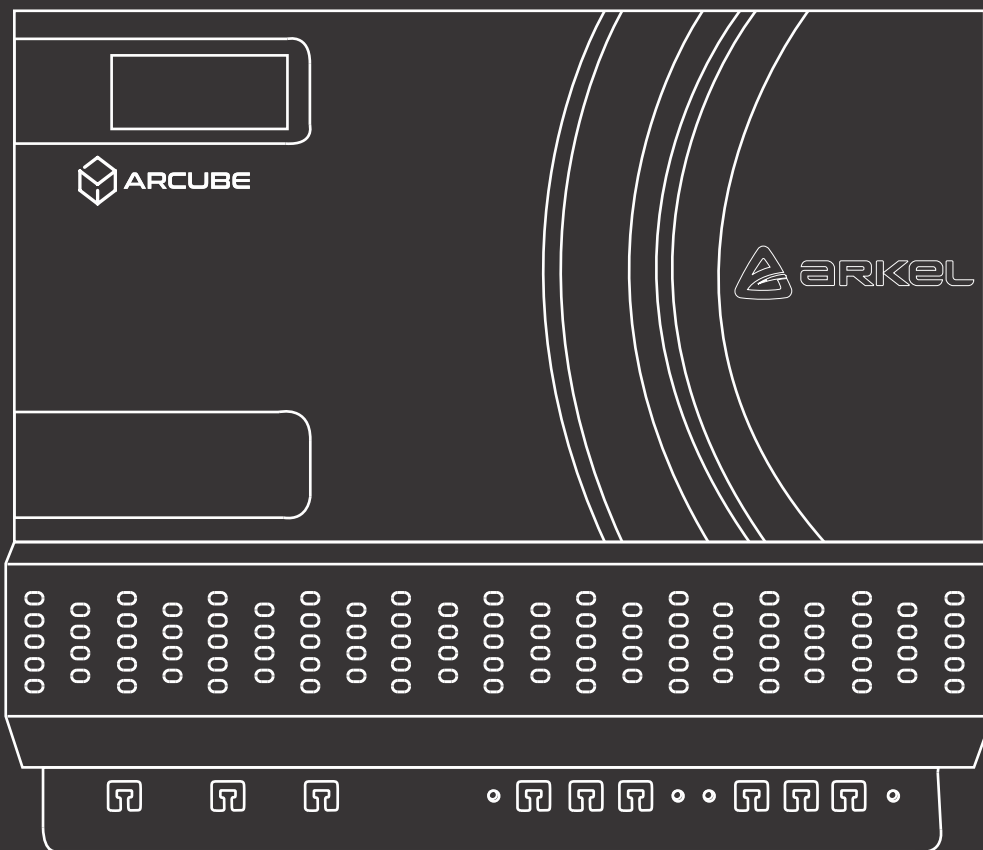


100% FUNCTION TEST

## MANUFACTURING



# ARKEL



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