



# LCD Access Controller



## AR-837 (E/Ei/EF/EFi/PD/WD)



- Built-in Door Bell button
- Optional for Built-in Voice module
- Weatherproof Design for outdoor use
- Optional for Built-in HID module
- Illuminated Keypad Design
- Multiple Access Modes: RF Tag / PIN Code (/FP)
- Capacity to connect with fire call points to release all doors under emergency

## ■ Specification

Frequency	125KHz	13.56MHz	Dual Band
Standard	EM Standard (Option) HID Prox Indala Prox	ISO14443A (Option) ISO7816 DESFire FeliCa™ NFC	EM Standard ISO14443A (Option) HID Prox Indala Prox DESFire FeliCa™ NFC
Reading Range ( Depends on Tags )	5-15cm	2-5cm	125kHz : 5-15cm 13.56MHz : 2-5cm
Power Supply	10-24VDC		
Power consumption	<5W		
Communication Interface	RS-485 / Ethernet (Optional)		
Baud Rate	9600 bps(N,8,1) or 10/100M Base T		
Temperature	0 °C to +60 °C		
Digital Input	Egress(R.T.E.) x 2 / Door contact x 2		
Relay Output	Alarm Relay / Lock Relay		
Lock Relay Time	ON/OFF, 0.1-600 Sec.		
Alarm Time	Toggle, 1-600 Sec.		
Tamper Switch	Limit Switch (Form C)		
User Capacity	16,000		
Event log	32,000		
External Reader	1 Wiegand Port		
Anti-pass-back	Yes		
Lift Control	64 Floors, 16,000 Users		
Serial port	Yes		
Transistor Output	Arming LED / Alarm / Duress / WG Lock Relay / Security trigger signal		
LCD Panel	128*64 (4-Line messages, 16 Characters each line)		
Indicator	6 LED & 1 Beeper		
Keypad Material	Illuminated Rubber		
Time Zone	63		
Operation Mode	Stand-Alone / Networking		
Door Bell Button	Yes		
By Order Module	AR-MDL-721V (Voice Module); AR-837i (TCP/IP) AR-WG-HID (HID RF Module)		
Dimensions (mm)	837E: 133(L)X147(W)X65/30(H) 837EF/PD/WD: 133(L)X147(W)X65/30(H)		
Weight (g)	837E: 220±10 837EF(DO): 520±30 / 837EF(MT) :470±30 837EF(3DO)/PD/WD: 470±30		

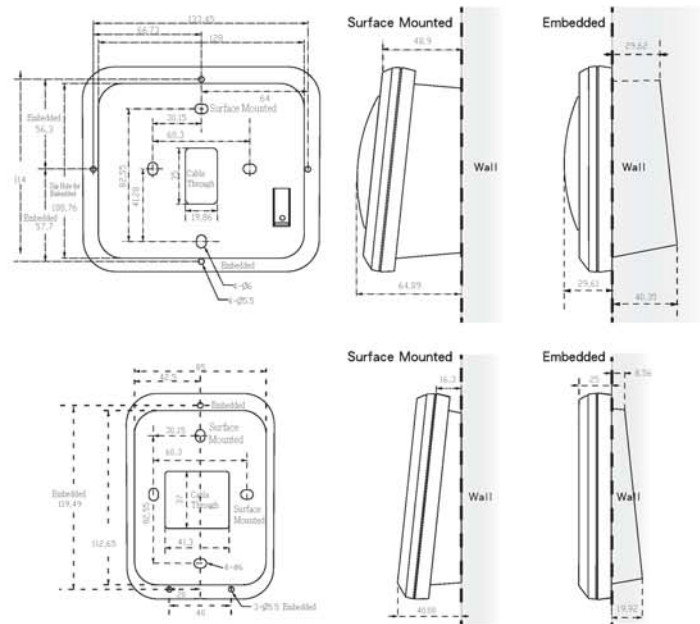
## ■ Fingerprint Specification (AR-837EF-DO/MT)

FP Sensor Type	Optical (DO) / Capacitive (MT)
ERR	<0.1%
Image Resolution	500 dpi(DO) / 508 dpi (MT)
Fingerprint User	9000-4500 (1-3 finger for each user)
Auth. Speed (1:1000)	0.97 sec.(DO) / 0.65 sec.(MT)
Sensible Temperature	DO: +30~31 °C MT: +35~38 °C

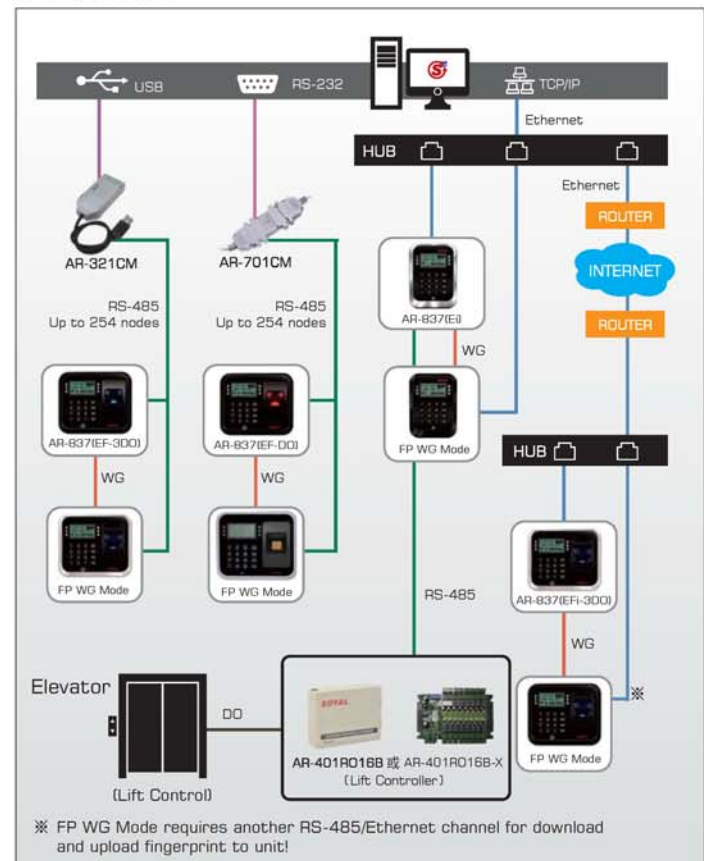
## ■ Fingerprint Specification (AR-837EF-DO/MT)

FP Sensor Type	Optical (3DO)
ERR	<0.1%
Image Resolution	450 dpi
Fingerprint User	500 (1-3 finger for each user)
Auth. Speed (1:1000)	0.79 sec.
Sensible Temperature	+38~39 °C

## ■ Dimensions (mm)



## ■ Structure



## ■ Diagram of double door control

