

**SOYAL**<sup>®</sup>  
ACCESS CONTROL SYSTEM

**AR-331-E/EF**

**Metal Solid, Hard Security**



# AR-331-E/EF

## Touch Keypad IP Access Controller / Fingerprint Controller

### Specification

|                                             |                                                                                                     |                                                                     |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| Frequency                                   | 125kHz                                                                                              | 13.56MHz                                                            |
| Standard                                    | ·EM Standard                                                                                        | ·ISO14443A<br>·ISO15693<br>·DESFire<br>·FeliCa™<br>·ISO7816-4       |
|                                             |                                                                                                     | ·NFC (card simulation)<br>Customization<br>·HID Prox<br>·HID iClass |
| Reading Range<br>(Depending on tag or card) | 3-7 cm                                                                                              | 1-3 cm                                                              |
| Power Consumption                           | <5W                                                                                                 |                                                                     |
| Communication Interface                     | RS-485/Ethernet(By order)                                                                           |                                                                     |
| Baud Rate                                   | 9600 bps(N,8,1), 10/100M Base T(By order)                                                           |                                                                     |
| Power Supply                                | 12VDC                                                                                               |                                                                     |
| Digital Input                               | 2 Egress(R.T.E.) / 2 Door contact                                                                   |                                                                     |
| Operating Temperature                       | -20 °C to +60 °C                                                                                    |                                                                     |
| Relay Output                                | Lock Relay,ON/OFF 0.1-600 Sec.                                                                      |                                                                     |
| Transistor Output                           | Arming LED(for Security trigger signal)/WG Lock /Alarm/Duress                                       |                                                                     |
| Tamper Switch                               | Limit Switch(Form C)                                                                                |                                                                     |
| Alarm Time                                  | Toggle, 1-600 Sec.                                                                                  |                                                                     |
| User Capacity                               | 16,000(Card/PIN User)/<br>500(FP User and each with 3 templates)                                    |                                                                     |
| Event Log                                   | 32,000                                                                                              |                                                                     |
| External Reader                             | 1 Wiegand Port                                                                                      |                                                                     |
| Anti-pass-back                              | Yes                                                                                                 |                                                                     |
| Lift Control                                | 64 Floors, 16,000 Users                                                                             |                                                                     |
| Time Zone                                   | 63                                                                                                  |                                                                     |
| Serial Port                                 | Yes(By order:AR-725L485)                                                                            |                                                                     |
| Indicator                                   | 2LED & 1Beeper                                                                                      |                                                                     |
| LCD Panel                                   | NO                                                                                                  |                                                                     |
| Real Time Clock                             | Yes                                                                                                 |                                                                     |
| Keypad Material                             | Illuminated Touch-Panel                                                                             |                                                                     |
| Time Zone                                   | 63                                                                                                  |                                                                     |
| Housing Material                            | PC&Zinc Alloy/PC Frame(By order)                                                                    |                                                                     |
| Color                                       | Chrome                                                                                              |                                                                     |
| Dimension(mm)                               | 158(L)X55(W)X30(H)                                                                                  |                                                                     |
| Weight(g)                                   | 331-E:211±10(Zinc Alloy Frame)/105±10(PC Frame)<br>331-EF:216±10(Zinc Alloy Frame)/110±10(PC Frame) |                                                                     |
| Fingerprint Type CPU                        | 331-EF:Optical Sensor/ 331E:No                                                                      |                                                                     |
| ERR                                         | 331-EF:<0.001% / 331E:No                                                                            |                                                                     |
| Fingerprint User                            | 331-EF:1500 / 331E:No                                                                               |                                                                     |
| Auth. Speed (1:1000)                        | 331-EF:<1.5 Sec. / 331E:No                                                                          |                                                                     |

### Features

#### ► Weatherproof

-Weatherproof Design for outdoor use.



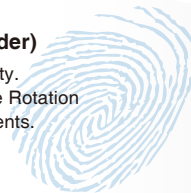
#### ► Slim

-Extra slim body design, suitable for installation in space limited areas.



#### ► Biometrics (By order)

-Best key to your safety.  
-Supports 360-Degree Rotation of fingerprint movements.



#### ► Power DC Input cable(Optional)

1. Open up the Ferrite Core box
2. To wind the DC in Cable around the Ferrite Core two times
3. The close up the Ferrite Core



### Dimension(mm)

