

SOYAL[®]

Iron Series

AR-323-D

Smart Proximity Door Controller

Upgrade your home to smart home with AR-323-D



Quickly Programming by Master Card or External Keypad

Add/delete user card by master card, or program controller and manage all personnel by keypad

Power Back-up

Support battery as back-up power supply to maintain normal communication during power outage

Mechanical Key

Mechanical key is invisible. When in need of using mechanical key, easily slide below the panel to insert key

Illuminated Touch Panel

Simple and seamless design enhancing waterproofing, high wear resistance property to prevent printing word worn out

Features



Illuminated Touch Panel



Keyless Editing



Visible Mechanical Key



SOR



Watchdog



Web

- 13.56MHz Access Controller Built-in Hardware Watchdog & Real Time Clock Function
- Standalone / Networking / Support Cascade Structure
- Support RS485 communication encryption, SSC (Soyal Security Communication)
- In-Field Firmware Upgrade
- Auto Open Time Zone: Built in 2 time zones, with Control Panel up to 16 time zones.
- Assign user for Door Group (up to 254) and Time Zone (up to 11, with control panel up to 63)
- Auto Relock for Anti-Trailing and Sneaking
- Support RS485 communication encryption, SSC (Soyal Security Communication)

SPECIFICATION

Specification	Keypadless	Illuminated Touch Panel
Lock Type	US	
Door Thickness	40mm-44mm 50mm-54mm 60mm-64mm 70mm-74mm 45mm-49mm 55mm-59mm 65mm-69mm 75mm-80mm (If do not have fitting size welcome to contact us.)	
Opening Method	RH: Right Push / LH: Left Push / RHR: Right Pull / LHR: Left Pull	
Unlock Operation	13.56MHz tags and mechanical key	13.56MHz tags, PIN CODE, and mechanical key
Power Consumption	<80uA	<150mA
Power Supply	9-24VDC	
Battery	Battery Spec	6VDC (LR6-AA x 4 UNIT, 2500mAh)
	Battery Life	About 8 Months (average 6 times per day usage)
	Low Battery Warning	YES (<5.3VDC)
Low Voltage Solution	Capability to connect an external 9VDC power supply	Not supported
Communication Interface	RS485/9600 bps (N, 8, 1) <small>*required TTL to RS485 Converter AR-321DAX1</small>	RS485/9600 bps (N, 8, 1)
Frequency	13.56MHz	
Supported Tags	ISO 14443 Mifare Ultralight, Classic, DESFire EV1 NFC (card simulation)	
Crypto	CC Certification: 3DES Crypto comply with EAL4+	
RFID Reading Range	1-3CM	
UID Bits	32	
User Capacity	1024	
Event Log	1200	
Indicator	LED	1 Bicolor LED
	Buzzer	1
Dimension (mm)	276(H)X26(W)X75(D)	
Material	Housing	Zinc Alloy
	Keypad	N/A
Color	Silver, Red, Champagne Gold	Black
Weight	3.9KG	
Environment	Operating Temperature	-20°C ~ +65°C
	Storage Temperature	-25°C ~ +70°C
	Operating Humidity	20%~90%
	Storage Humidity	5%~95%

COMPREHENSIVE VIEW AT A GLANCE

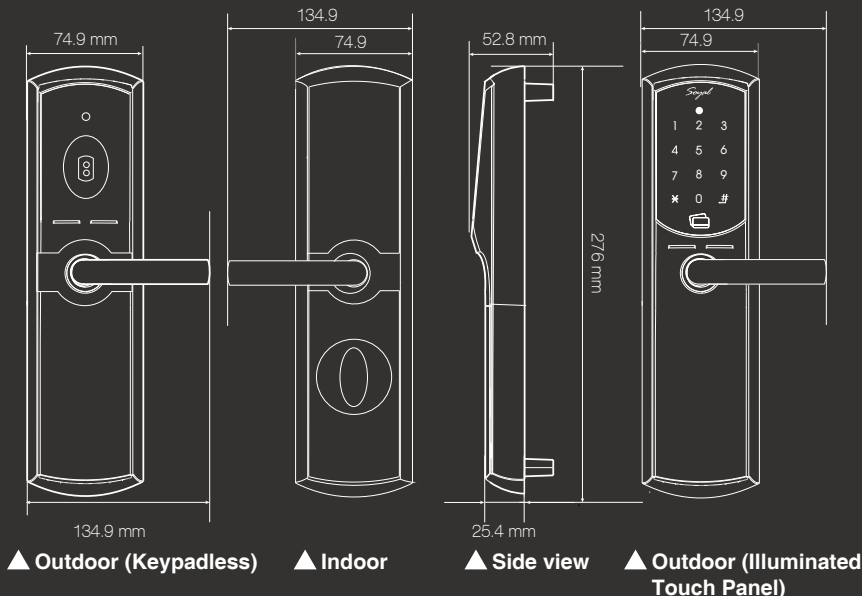
● Keypadless



● Illuminated Touch Panel



INSTALLATION(mm)



HOW TO ORDER

AR-323-DXR11X1

Frequency
D=13.56MHz

RTC
R=Built-in RTC

Communication
1= Battery(keyless)
D=RS485(Networking, keypad)

Waterproof
N=None

Type
A= RH/Right Push
B= RHR/ Right Pull
C= LH/ Left Push
D= LHR/ Left Pull

Color
for Keypadless Version
8=Silver
9=Red
A=Champagne Gold
for Illuminated Touch Panel Version
B=Black

APPLICATION & STRUCTURE DIAGRAM

● Smart Room Control



AR-888-T

Set your power switch to electric devices such as air conditioner, lamp, heater and digital curtain with or without timer. All setting is programmable with SOYAL an Modbus-RTU protocol providing more flexibility to your requirement.



AR-888-W

Card energy saver for rental housing or hotel room, combined with SOYAL SOR it can not only read valid card but must only be able to read paired card to AR-888-W in order to activate electric devices in the room. AR-888-W provides both basic security level and high security level based on your requirement.



AR-888-CPI

Following AR-888-CPI functions, AR-888-CPI will display option selected by room guests either to clean the room or not. Equipped with another button, Doorbell replaces door knocking when room services have delivery to guests.



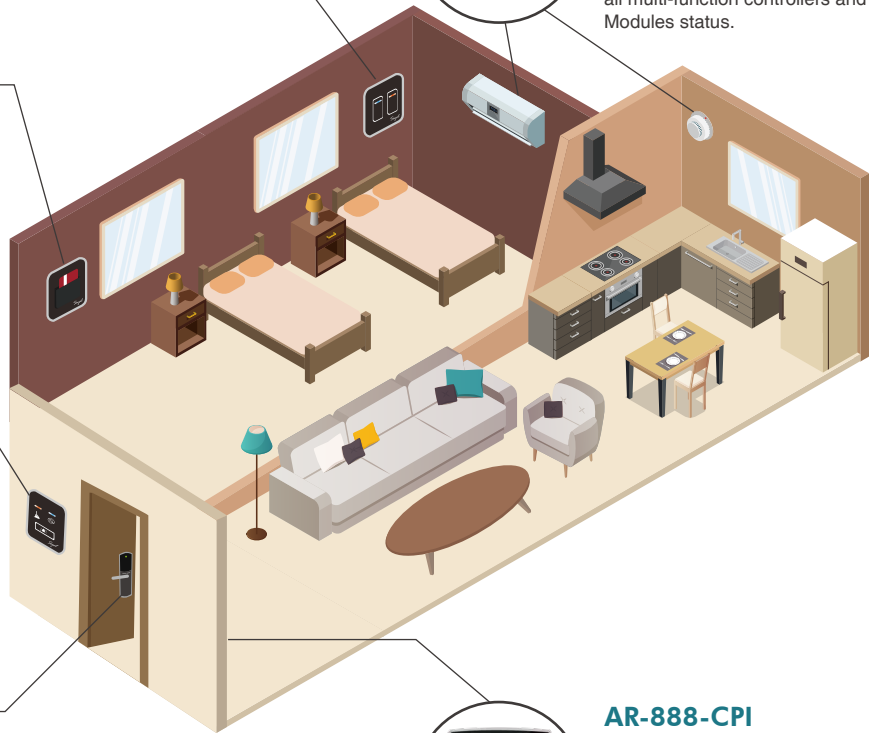
AR-323-D

Secure your home with smart proximity door controller AR-323-D. Access controller with door lock and handle in one body provides easy installation. Have access to your home with RFID tags, PIN, or both. For emergency access, mechanical key is supported to open door.



I/O Series

SOYAL 701 Client built-in SCADA that supports both access controller and I/O Module series in one system. One computer can monitor and remotely control all multi-function controllers and I/O Modules status.

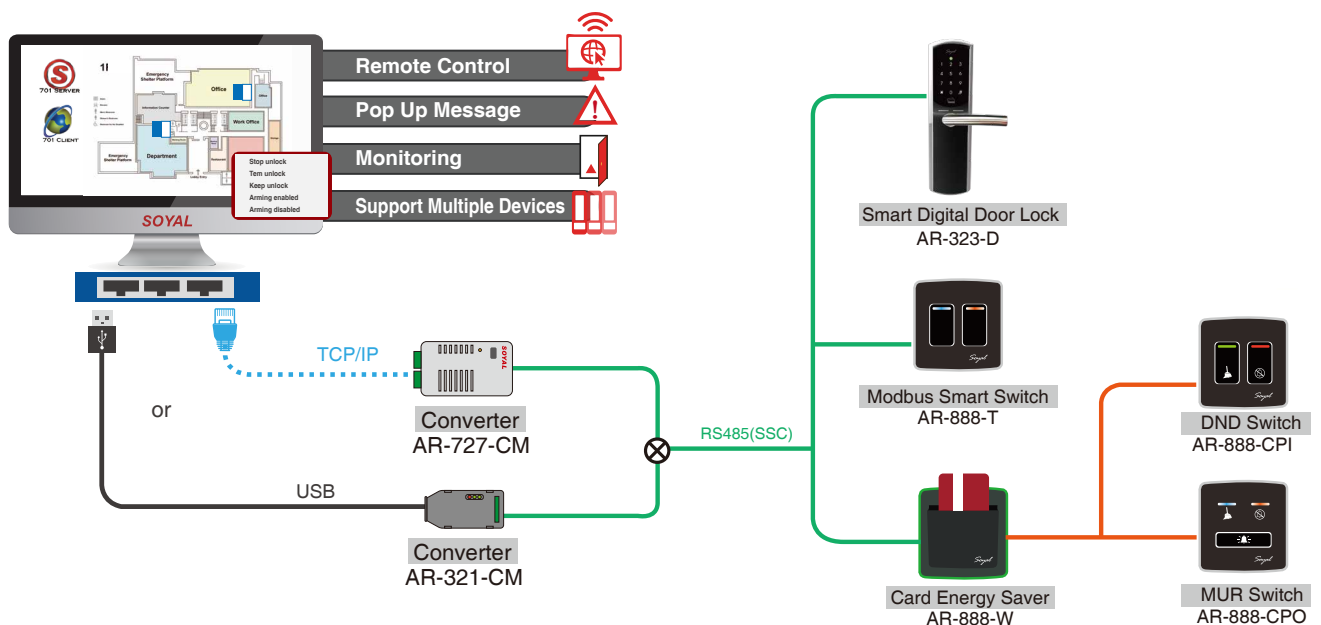


AR-888-CPI

Suitable for rental housing or hotel room that requires room services features for its guests. Guests can select DND (Do Not Disturb) and MUR (Make Up Room) to let room services know if guests want the room to be cleaned or not.

● STRUCTURE DIAGRAM

Smart Room Control System with Advanced System SCADA for Monitoring and Remotely Control



PERIPHERALS / ACCESSORIES

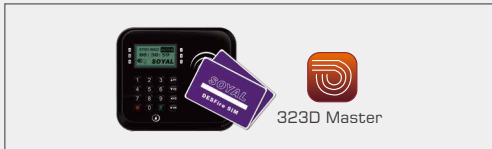
HIGH LEVEL SECURITY

- Anti-Cloning Kits



Mifare Encryption

Encoder: AR-725-P
w/Authorization Tags
Software: Mifare Key



Desfire Encryption

Encoder: AR-837-P
w/Authorization Tags
Software: 323D Master

STANDALONE

- Room Control System



Modbus Switch

AR-888-T

DND&MUR Switch

AR-888-CPO/CPI

Card Energy Saver

AR-888-W

- Necessary



Power Supply

BP-W12-1500 (1.5A)
BP-W15-2400 (2.4A)



Proximity Tags

13.56MHz: Mifare Classic,
Mifare Desfire, UltraLight
Tags Selection: Thin Card



AR-323-D

NETWORKING

- Software



File Based & Data Based Interchangeable Software for Access Control, Time Attendance, Status Monitoring and Configuration

701 Server & 701 Client



Firmware Upgrade

ISP Tools

- Signal/Interface Converter



Isolated USB to RS-485

AR-321-CM

Isolated RS232 to RS485

AR-321-CM-485232



Ethernet to RS485

AR-727-CM

AR-727-CM-IO-0804M (with I/O for Fire Alarm to open all doors)

- Large User Capacity



Multi-Door Control Series

AR-716-E16: 16 Doors IP Control Panel

AR-716-E18: 18Doors Networking Control Panel

FOR KEYLESS EDITING

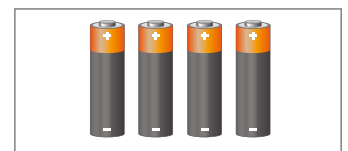
- Programming



Keyless Editing

Self programmed master card

- Battery (back-up power)



LR6-AA x 4 UNIT

FAQ

Q: How to configure and add or delete user on keyless editing?

- A:**
- Under standalone mode, configuration and add or delete user can be done with Wiegand Keyboard by sending command to controller. Or you can also set up to three master cards for each controller to quickly add and delete users.
 - For networking, **323D Master** Software provide easy setting for keyless controller or you can also choose **701Client** for more detailed setting and **Commview** by sending protocol command. All Soyal software are available for downloading on Soyal website.

Q: What is the difference between SOYAL H Series and E Series Controller?

- A:** SOYAL access controller classified into two categories in term of specification; H Series and E Series. SOYAL H Series controller has already include all basic standalone and networking access controller that you need. But E series controller provide what H Series controller has already have, and more advanced features like built in more user capacity, UART Port for extension module, and extension interface like Ethernet and POE.



More FAQ