Access Controller
with Illuminated Touch-panel
Networking / Stand-alone

Powerful Function
Recommendation
Patent Guarantee

AR-725H / AR-725H-M
Metal Frame (Option)

Interface	Capacity	Frequency	Illuminated Touch-Panel	Weatherproof	Anti-Tamper	New Type of against vibrating relay
RS·485	3000	125KHz / 13.56M MIFARE				

Colorful Color Your life
TOUCH PANEL
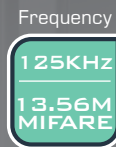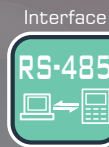
Take actual objects as products standards and pictures are just for reference

Features

- RS-485 communication interface
- Supporting WG port for anti-pass-back function
- TTL serial output for various application and lift control
- 2 optional frequencies: 125KHz/13.56MHz
- 3 control modes: M4/M6/M8
- User capacity: 3,000 / Event log: 1,500
- 3 access modes: Card only, Card or PIN, Card and PIN
- Built-in Watchdog to prevent system from hanging
- Built-in Real Time Clock & Anti-Tamper function
- Including the input of door sensor, offering the alarm system of both door opening too long and being forced to open
- Built-in Multi-Output: Door Lock/Alarm/Arming/Duress/Card Presenting
- 11 sets of Time Zone for various accessing in network

- 2 sets of Auto-Open Zone editable by stand-alone operation
- Intelligent to shift for stand-alone or networking mode while system disconnected
- Auto-lock of the keypad for 30 seconds after continuous failed operation by 3 times
- Coordinating with softwares for further application on access control, time attendance, payroll, and door/sensor image-monitor function
- Illuminative Keys, 1 bi-color indicator, and 1 beeper for identification
- Flexible to integrate with other equipments
- Illuminated Touch-Panel
- Elegant design with colorful housing to choose
- Patent for new type of Relay, avoiding vibrating to Mis-trigger
  Patent Number: M 333650(Taiwan) ZL 2008 2 0055140.9(China)

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ACCESS CONTROL SYSTEM
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Access Controller
with Illuminated Touch-panel
AR-725H / AR-725H-M
Metal Frame (Option)

AR-725H

AR-725H-M
Metal Frame

Specification
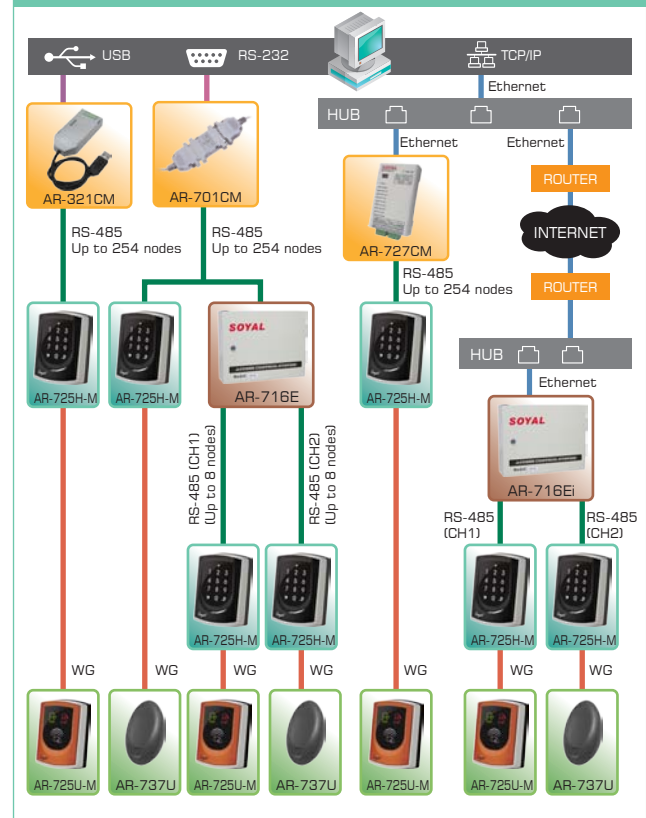
Frequency	125kHz		13.56MHz
Standard	EM Standard		·ISO14443A ·ISO15693 ·ISO14443A/B+15693
Reading Range (Depending on frequency)	10-15cm(725H)		3-8cm(725H)
	5-9cm(725H-M)		2-5cm(725H-M)
Power Supply	9-16VDC		
Power Consumption	<3W		
Communication Interface	RS-485		
Baud Rate	9600 bps(N,8,1)		
Operating Temperature	-20°C to +75°C		
Digital Input	1 Door Open Button/1 Door Sensor		
Relay Output	Door Relay		
Door Relay Time	Toggle, 0.1-600 Sec.		
Alarm Relay Time	Toggle, 1-600 Sec.		
Tamper Switch	Limit Switch (Form C)		
User Capacity	M4/M8	3,000	
	M6	65,000	
Event Log	M4/M8	1,500	
Aux.WG Port	WG26/34		
Anti-pass-back	Yes(Only forM4/M8)		
Lift Control	32 Stops, 3,000 Users		
Serial Port	TTL(4800bps,N,8,1)(Shared with alarm Output)		
Real Time Clock	Yes		
LCD Panel	No		
Door Bell Button	No		
Transistor Output	Duress/Alarm/Arming LED		
Weatherproof	IP54		
Indicator	1Bi-Color LED &1Beeper		
Keypad	Illuminated Touch-Panel		
Housing Material	PC+Zinc Alloy(725H-M), PC (725H)		
Time Zone	11/63(Connect to Multi-Door Networking Controller)		
Operating Mode	Stand-Alone/Networking		
Color	Black Grey Silver Pearl White Blue Green Yellow Orange Red		
Dimension(mm)	110(L)X79(W)X26(H) (725H),125(L)X89(W)X30(H) (725H-M)		
Weight(g)	110±10 (725H),360±10 (725H-M)		

Dimension(mm)

AR-725H
78.5 · 21.5 · 110 · 25.5

AR-725H-M
89 · 25.7 · 124.62 · 29.99 · 9.5

Structure

Structure diagram showing USB (AR-321CM), RS-232 (AR-701CM), TCP/IP connections via HUB and Ethernet, AR-727CM, ROUTER, INTERNET, AR-716E, AR-716Ei, and multiple AR-725H-M units connected via RS-485 (up to 254 nodes / up to 8 nodes), with WG connections to AR-725U-M and AR-737U.
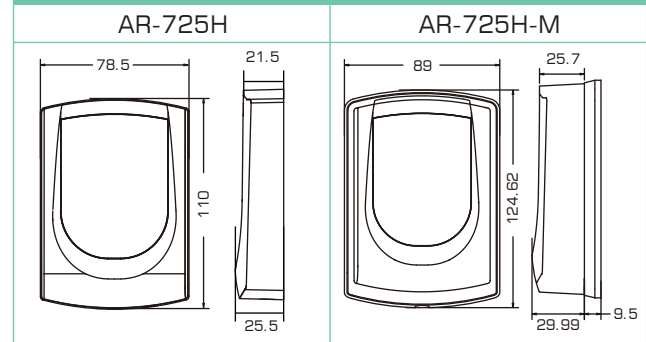
M4/M6/M8 access mode

M4 (Stand-Alone/ Networking)	◆Card Only ◆Card and PIN(4 Digit Individual PIN) ◆Card or PIN(5 Digit user address+4 Digit Individual PIN)
M6 (Stand-Alone)	◆Card Only ◆Card and PIN(4 Digit Public PIN=Arming Code) ◆Card or PIN(4 Digit Public PIN=Duress Code)
M8 (Stand-Alone/ Networking)	◆Card Only ◆Card and PIN(4Digit Individual PIN) ◆Card or PIN(4Digit Individual PIN)

Diagram of Basic application for single door

Diagram showing AR-725H-M connected to Networking, DO, DI, Relay Output to Electric Lock, Door Sensor, Push Button, Alarm, AR-721U via WG, with Exit and Entrance markings.

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ACCESS CONTROL SYSTEM

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