ACCESS SYSTEM

AR-757H

AR-721H

AR-727H

AR-737H

Networking Reader

ACCESS CONTROL SYSTEM

SOYAL®

SOYAL Networking Reader

Features

AR - 757H
Networking & Stand-alone Controller Networking Reader
AR - 721H
Networking & Stand-alone Controller Networking Reader
- 11 sets of time zone, different time zone for each user
- Up to 120 holidays that can be set in a year starting from the editing date
- TTL serial supported for connecting external printer, LED, etc.
- Door bell button offered
- Built-in anti-tamper function
- Built-in watchdog to prevent the system from halting
- An extra WG port which allows connecting to another WG reader (for exit or anti-pass-back)
- Event log preserved up to 10 years
- Easily integrated with SOYAL or other access control systems

AR - 737H
Wiegand / RS-485 Reader
- Supports RS-485 / Wiegand interface
- Waterproof, could be installed outside
- Built-in watchdog to prevent the system from halting
- Easily integrated with SOYAL or other access control systems

AR - 727H
Networking & Stand-alone Controller Networking Reader
- IP54 waterproof, could be installed outside
- User friendly editing interface supported by LCD panel
- TTL serial supported for connecting external printer, LED, etc.
- Door bell button offered
- Built-in anti-tamper function
- Built-in watchdog to prevent the system from halting
- An extra WG port which allows connecting to another WG reader (for exit or anti-pass-back)
- Event log preserved up to 10 years
- Easily integrated with SOYAL or other access control systems.

Specifications

Item No.	AR - 757H			AR - 721H			AR - 727H			AR - 737H	
Mode No.	M4	M6	M8	M4	M6	M8	M4	M6	M8	-	
RF Frequency	125KHz /13.56MHz			125KHz / 13.56MHz			125KHz / 13.56MHz			125KHz / 13.56MHz	
User Capacity	1,024	65,536	1,024	1,024	65,536	1,024	1,024	65,536	1,024	-	
Event Log	3,000	-	3,000	1,200	-	1,200	1,200	-	1,200	-	
Power Requirement	9-24VDC			10-24VDC			10-24VDC			125K	9 - 16VDC
										13.56M	9 - 24VDC
Power Consumption	< 3W			< 3W			< 3W			<1.5W	
Communication Interface	RS-485			RS-485			RS-485			RS-485 (737H only), TTL Wiegand (737U only) and OMRON	
Baud Rate	9600 bps (N, 8, 1)			9600 bps (N, 8, 1)			9600 bps (N, 8, 1)			9600 bps / 19200 bps (N, 8, 1)	
Environment	-20 ℃ to +75 ℃			-20 ℃ to +75 ℃			-20 ℃ to +75 ℃			-20 ℃ to +75 ℃	
DI Input	Egress Button / Door Sensor			Egress Button / Door Sensor			Egress Button / Door Sensor / Arming Switch			Egress Button / Door Sensor	
Compliance	ISO14443A (13.56M only)			ISO14443A (13.56M only)			ISO14443A (13.56M only)			ISO14443A (13.56M only)	
Door Relay Time	0-600 sec.			0-600 sec.			0-600 sec.			0-600 sec.	
Alarm Relay Time	0-600 sec.			0-600 sec.			0-600 sec.			0-600 sec.	
Tamper Resist. Switch	Limit Switch (Form C)			Limit Switch (Form C)			Limit Switch (Form C)			Limit Switch (Form C)	
Aux. WG Port	WG 26/34, ABA-II, OMRON			WG 26/34, ABA-II, OMRON			WG 26/34, ABA-II, OMRON			WG 26/34, ABA-II, OMRON	
Anti-pass Back	Yes	-	Yes	Yes	-	Yes	stops	-	Yes	-	
Lift Control	Yes (32 stops, 1024 users)	-	Yes (32 stops, 1024 users)	Yes (32stops, 1024 users)	-	Yes (32stops, 1024 users)	stops (32stops, 1024 users)	-	Yes (32stops, 1024 users)	-	
Editing Interface	Controller / PC Software	Controller	Controller / PC Software	Controller / PC Software	Controller	Controller / PC Software	Controller / PC Software	Controller	Controller / PC Software	-	
Proximity Reading Range	10-18cm(125K) / 3-8cm(13.56M)			10-18cm(125K) / 3-8cm (13.56M)			10-18cm(125K) / 3-8cm (13.56M)			125K	12-20cm
										13.56M	3-8cm
Serial Out	TTL (4800bps, N, 8, 1)			TTL (4800bps, N, 8, 1)			TTL (4800bps, N, 8, 1)			TTL (4800bps, N, 8, 1)	
Indicator	3 LEDs and a beeper			-			-			Two LEDs and One Beeper	
Door Bell	Yes			Yes			Yes			Yes	
Color	Dark Pearl Gray / Silver /Gray			Deep Pearl Gray / Silver			Dark Pearl Gray / Navy			Dark Pearl Gray	
Dimensions (mm)	123(H)*88(W)*30(D)			111(H)*77(W)*26(D)			126(H)*91(W)*46(D)			113(H)*71(W)*36(D)	
Weight (g)	155 ± 10			100 ± 10			200 ± 10			80 ± 10	
Housing Material	ABS			ABS			ABS			ABS	
Access Mode	Card Only / Card or Code / Card + Code			Card Only, Card or Code, Card + Code	Card Only, Card or Code, Common Code	Card Only, Card or Code, Code	Card Only, Card or Code, Serial number+ Code	Card Only, Card + Code, Common Code	Card Only, Card + Code, Code	-	

System Architecture

Legend:
- TCP/IP
- RS-485
- RS-232

Nodes shown: ADSL, ROUTER, Ethernet, RS-485, RS-232, AR-716E, AR-716Ei, AR-757H, AR-721H, AR-727H, AR-737H, Up to 8 nodes