

DHI-ARC2016C-V3

Alarm Controller



System Overview

Driven by its advanced control technology and powerful data transmission capabilities, this series of alarm controller ensures the reliable, stable running of the entire system. This high security series supports being used locally, without networking, and being networked to form a powerful security monitoring system. When used along with professional alarm platform software, it fully displays its powerful networking and remote monitoring capabilities.

Scene

It is suitable for security use in scenes, such as schools, shops, factories, financial fields, legal fields and smart communities.

Technical Specification		
Input/Output		
Alarm Input	16 x channel local inputs (expandable to 80 channels)	
Alarm Output	4 x channel local outputs (expandable to 84 channels)	
Interface		
Network Port	$2 \times RJ-45 \ 10/100 \ self-adaptive Ethernet ports$	
Telephone Line	1-ch PSTN	
Keyboard	32 × LCD keypads	
Remote Control	32 × ARA24-W2	
Storage Battery	1 × port (battery: 12 VDC/7 Ah)	
RS-232	1	
Indicator Light	3 × function indicators	
Button	$1\times$ forced start button; $1\times$ default jumper; $1\times$ factory default jumper	

- 16-channel local alarm input (expandable to 80 channels); supports NO/
 NC detector, detector tamper, short circuit and mask alarm.
- 4 channel alarm outputs (expandable to 84 channels), along with forced start/shutdown, auto control, and alarm linkage.
- Multiple zone types, such as instant zone, delayed zone, and 24-hour silent zone.
- · Alarm input/output port circuit protection.
- Supports fault alarms, including controller tamper alarm, keypad tamper alarm, power failure alarm, battery failure alarm, battery undervoltage alarm, PSTN offline alarm, network disconnection alarm, IP conflict alarm, and MAC conflict alarm.
- 2-channel RS-485 ports; up to 32-channel keypads; printer connection.
- Emergency alarms, such as fire, medical and duress alarm.
- CID (Contact ID Protocol); reuses landline telephone port (personal call requires customized PSTN hardware module).
- Configuration method includes keypad and web; quick configuration guide; remote configuration and search.
- Up to 8 subsystems; single zone and subsystem arming/disarming; arming/disarming with keypad, keyfob, IC card and other methods.
- Supports 3 alarm receiving center at the same time, supports 3 different alarm reporting strategies.
- High-volume log search function.
- · Remote update.
- · Multiple device recovery methods.
- · Two Ethernet ports and two wired alarm centers.

RS-485	2 (keypad, expansion module, and printer)	
Buzzer	1	
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Function

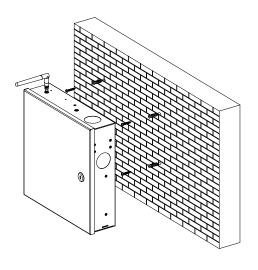
Tamper Alarm	Controller tamper; housing tamper	
Auxiliary Power Output	1 × 12 VDC, 1 A	
Network Protocol	TCP/IP, DHCP, static IP	
Remote Update	Yes	
Arm and Disarm	Keypad; keyfob; IC card; web; platform	
Log	20,000	
Power Failure Protection for Configured Parameters	Yes	
Search Remote Alarm Event	Yes	
User Management	64 network users and 200 keypad users	
Access Configuration	Keypad; web	

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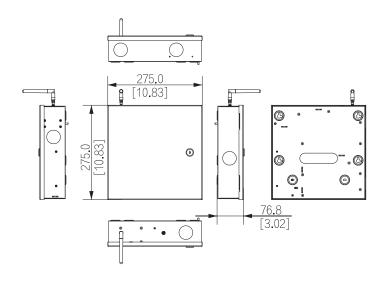
Search	Configurations; system logs; zone faults; system faults; program versions	
Language	English, Russian, Latin American Spanish, and Arabic	
General		
Power Supply	100–240 VAC, 50/60 Hz	
Power Consumption	Idling: 5 W Full load: 60 W	
Operating Environment	-10°C to +55 $^{\circ}\text{C}$ (+14 $^{\circ}\text{F}$ to +131 $^{\circ}\text{F}$) 10%–90% (RH)	
Product Dimensions	275 mm × 74.8 mm × 275 mm (10.83" × 2.94" × 10.83") (L × W × H)	
Packaging Dimensions	375 mm \times 155 mm \times 312 mm (14.76" \times 6.10" \times 12.28") (L \times W \times H)	
Installation	Wall mount	
Net Weight	2.1 kg (4.63 lb)	
Gross Weight	2.5 kg (5.51 lb)	
Certifications	FCC; CE	

Ordering Information				
Туре	Model	Description		
Alarm controller	DHI-ARC2016C-V3	Alarm controller		
Accessories (Optional)	DHI-ARK50C-R	Alarm Keypad support card(Max 32)		
	DHI-ARK50C	Alarm Keypad (Max 32)		
	ARM708-RS	Output Expansion Module (Max 8)		
	ARM808-RS	Input Expansion Module (Max 8)		
	ARA58-P	PSTN module		
	ARA58-G-EN	2G module		
	ARA58-F-EN	4G module		
	ARM982-P	Alarm Expansion Module (Max 16)		
	ARM2C0-P-W	Alarm Expansion Module (Max 16)		
	ARM2C0-P-W (868)	Alarm Expansion Module (Max 16)		

Installation



Dimensions (mm [inch])



Dimensions (mm [inch])

