

DHI-ARC9016C-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 256 channels)
Alarm Output	4 x channel local outputs (expandable to 256 channels)

Interface

Network Port	2 x RJ-45 10/100 self-adaptive Ethernet ports
Telephone Line	1-ch PSTN
Keyboard	32 x LCD keypads
Remote Control	32 x ARA24-W2
Storage Battery	1 x port (battery: 12 VDC/7 Ah)
RS-232	1
Indicator Light	3 x function indicators
Button	1 x forced start button; 1 x default jumper; 1 x factory default jumper

- 16-channel local alarm input (expandable to 256 channels); supports NO/NC detector, detector tamper, short circuit and mask alarm.
- 4 channel alarm outputs (expandable to 256 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)
M-BUS	2-ch M-Bus expansion (communication distance of up to 2.4 km for each channel)
Buzzer	1

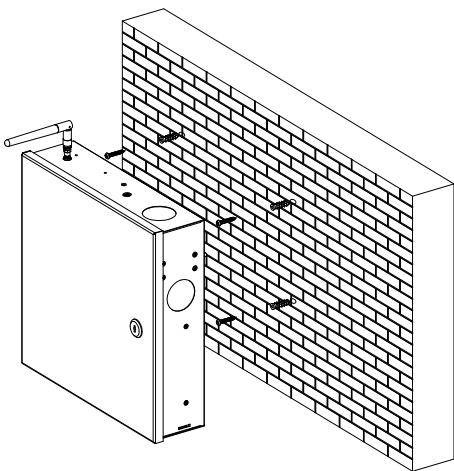
Function

Tamper Alarm	Controller tamper; housing tamper
Auxiliary Power Output	1 x 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

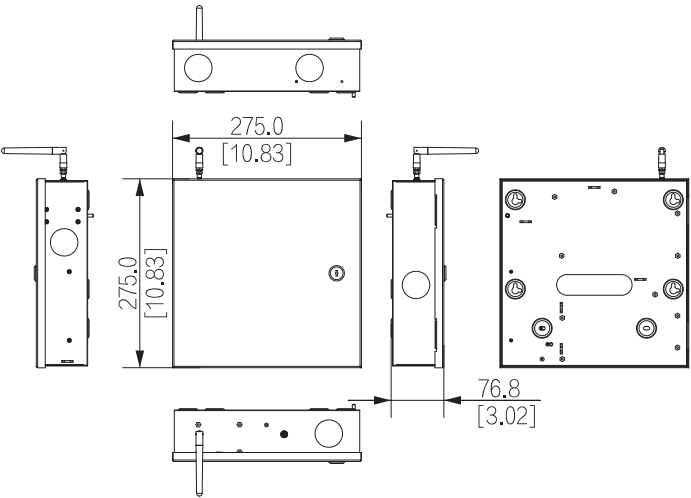
Access Configuration	Keypad; web
Search	Configurations; system logs; zone faults; system faults; program versions
Language	English, Russian, Latin American Spanish, and Arabic
General	
Power Supply	100–240 VAC, 50/60 Hz
Power Consumption	Idling: 5 W Full load: 60 W
Operating Environment	–10 °C to +55 °C (+14 °F to +131 °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 × 155 mm × 312 mm (14.76" × 6.10" × 12.28") (L × W × 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		
Type	Model	Description
Alarm controller	DHI-ARC9016C-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 16)
	ARM808-RS	Input Expansion Module (Max 16)
	ARM801	M-Bus 1-Zone Expansion Module (Max 240, one channel can be connected to 120 modules)
	ARM802	M-Bus 2-Zone Expansion Module (Max 120, one channel can be connected to 60 modules)
	DHI-ARM808	M-Bus 8-Zone Expansion Module (Max 30, one channel can be connected to 15 modules)
	DHI-ARM911	M-Bus 1 Input & 1 Relay Output Expansion Module (Max 120, one channel can be connected to 60 modules)
	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])

