AC42 four-door controller

Thoughtfully Designed for Versatility and Scalability

Overview

Secure entryways with cloud-managed access control through the versatile AC42 four-door controller. The AC42 can power four doors with Verkada or Wiegand readers. Each door port can support two REX devices and a door position indicator (DPI), allowing for native in/out door support. The AC42 also supports two 12V AUX devices and a connection to a fire alarm interface (FAI).

Key features

Terminal block design

Power Verkada or third-party readers and any standard door locking hardware.

On-device reliability

Onboard storage and processing capabilities ensures that device will operate even if it has lost power or its internet connection.

Remote door unlock

Remotely unlock any Verkada-secured door from Command or the Verkada Pass app.

Centralized management

Centralize access control credential, site and schedule management across geographies.

Fire alarm integration

Allow faster egress and firefighter access by automatically remove power from maglocks when a fire alarm occurs.

Simplified installation

Stenciled install diagram and cable organizer simplify installation.

AC42
Tech Specs

AC42

Power and network

Power Consumption	60W maximum	**Inputs**	2x REX dry inputs per door 1x DPI dry input per door 2x auxiliary dry inputs
AC Power Input	100-240VAC 50/60Hz 1.5A maximum	**Readers**	1x reader port (Verkada/RS-485 or Wiegand) per door. Reader current consumption must be < 250mA per reader. Note: max of 4 readers can be powered simultaneously
AUX Power	1x 12V @ 250mA	**Connectivity**	Ethernet: 10/100Mbps RJ-45 for network connection USB 2.0

Mechanical

Dry Relays (External Power Supply)	Dry relay max pass-through power: 24VDC @ 2A (resistive load) 2x auxiliary dry relays	**Contact Sensors**	4 Contact Sensors Nominal 5VDC 1Kohm to each input (resistors built-in)
Wet Relays (Powered by AC42)	Wet relay switch-selectable power: 12V operation 700mA max 24V operation 350mA max	**Operating Temperature**	0°C - 50°C / 32°F - 122°F, 5–90% humidity

Compliance and availability

Availability	USA, CAN, IN, UK, EU	**Compliance & Safety**	FCC Part 15 Class A, ICES-3 Class A, CE, UKCA, RCM, VCCI, UL 294, CAN/ULC 60839-11-1, UL 62368-1, CSA C22.2 No. 62368-1, IEC 62368-1, NDAA

General

Dimensions	Height: 417.0mm / 16.4in Width: 321.0mm / 12.6in Depth: 116.3mm / 4.6in	**Mounting Options**	Mounting plate and four wood screws
Weight	6.4kg / 13.9lbs	**Included Accessories**	Lock key and flat head screwdriver
		Warranty	10 years

12V4Ah Backup Battery

Tech Specs

General

Name & Model Number	ACC-BAT-4AH	**Terminal Connector**	F1 (#187) terminal connector
Descriptor	12 Volt 4.5Ah Sealed Lead Acid Rechargeable Battery	**Size**	Length: 90mm / 3.5in Width: 70mm / 2.8in Height: 101mm / 3.9in
Voltage	12V	**Weight**	46.9 oz / 1.3kg
Capacity	4.5Ah	**Compliance & Safety**	UL 1989, CE
Chemistry	Sealed Lead Acid	**Backup Power Application**	AC41, AC42, AX11, BP41
Enclosure	ABS plastic	**Warranty**	10 years

Ordering Information

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Model Number	Description	Cost (MSRP) USD
AC42-HW	AC42 Four-Door Controller	$1,799

Access Control Cloud License (New/Capacity Increase)

Model Number	Description	Cost (MSRP) USD
LIC-AC-1Y-CAP	1-Year Door License, Capacity Increase	$249
LIC-AC-3Y-CAP	3-Year Door License, Capacity Increase	$599
LIC-AC-5Y-CAP	5-Year Door License, Capacity Increase	$999
LIC-AC-10Y-CAP	10-Year Door License, Capacity Increase	$1,999

Access Control Cloud License (Renewal)

Model Number	Description	Cost (MSRP) USD
LIC-AC-1Y-RNW	1-Year Door License, Renewal	$249
LIC-AC-3Y-RNW	3-Year Door License, Renewal	$599
LIC-AC-5Y-RNW	5-Year Door License, Renewal	$999
LIC-AC-10Y-RNW	10-Year Door License, Renewal	$1,999