

## 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

|                          |                                       |                     |                                                                                                                                                                 |
|--------------------------|---------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Power consumption</b> | 60W maximum                           | <b>Inputs</b>       | 2x REX dry inputs per door<br>1x DPI dry input per door<br>2x auxiliary dry inputs                                                                              |
| <b>AC power input</b>    | 100-240VAC<br>50/60Hz<br>1.5A maximum | <b>Readers</b>      | 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 |
| <b>AUX power</b>         | 1x 12V @ 250mA                        | <b>Connectivity</b> | Ethernet: 10/100Mbps RJ-45 for network connection<br>USB 2.0                                                                                                    |

## Mechanical

|                                           |                                                                                             |                              |                                                                                  |
|-------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------|----------------------------------------------------------------------------------|
| <b>Dry relays (external power supply)</b> | Dry relay max pass-through power:<br>24VDC @ 2A (resistive load)<br>2x auxiliary dry relays | <b>Contact sensors</b>       | 4 Contact Sensors<br>Nominal 5VDC<br>1Kohm to each input<br>(resistors built-in) |
| <b>Wet relays (powered by AC42)</b>       | Wet relay switch-selectable power:<br>12V operation 700mA max<br>24V operation 350mA max    | <b>Operating temperature</b> | 0°C - 50°C / 32°F - 122°F,<br>5-90% humidity                                     |

## Compliance and availability

|                     |                      |                                |                                                                                                                                            |
|---------------------|----------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Availability</b> | USA, CAN, IN, UK, EU | <b>Compliance &amp; safety</b> | 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

|                   |                                                                               |                             |                                     |
|-------------------|-------------------------------------------------------------------------------|-----------------------------|-------------------------------------|
| <b>Dimensions</b> | Height: 417.0mm / 16.4in<br>Width: 321.0mm / 12.6in<br>Depth: 116.3mm / 4.6in | <b>Mounting options</b>     | Mounting plate and four wood screws |
| <b>Weight</b>     | 6.4kg / 13.9lbs                                                               | <b>Included accessories</b> | Lock key and flat head screwdriver  |
|                   |                                                                               | <b>Warranty</b>             | 10 years                            |



## 12V4Ah Backup Battery

### Tech specs



### General

|              |                                                     |                          |                                                                      |
|--------------|-----------------------------------------------------|--------------------------|----------------------------------------------------------------------|
| Model number | ACC-BAT-4AH                                         | Terminal connector       | F1 (#187) terminal connector                                         |
| Descriptor   | 12 Volt 4.5Ah Sealed Lead Acid Rechargeable Battery | Size                     | Length: 3.5in / 90mm<br>Width: 2.8in / 70mm<br>Height: 3.9in / 101mm |
| Voltage      | 12V                                                 | Weight                   | 46.9oz / 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

### AC42 four-door controller

| Model number | Description               | US cost (MSRP) <sup>USD</sup> | WW cost (MSRP) <sup>USD</sup> |
|--------------|---------------------------|-------------------------------|-------------------------------|
| AC42-HW      | AC42 Four-Door Controller | \$1,999                       | \$1,999                       |

### Accessories

| Model number | Description                | US cost (MSRP) <sup>USD</sup> | WW cost (MSRP) <sup>USD</sup> |
|--------------|----------------------------|-------------------------------|-------------------------------|
| ACC-BAT-4AH  | Verkada 4AH Backup Battery | \$129                         | \$129                         |

### Access Control Cloud license (new/capacity increase)

| Model number   | Description                             | US cost (MSRP) <sup>USD</sup> | WW cost (MSRP) <sup>USD</sup> |
|----------------|-----------------------------------------|-------------------------------|-------------------------------|
| LIC-AC-1Y-CAP  | 1-Year Door License, Capacity Increase  | \$249                         | \$249                         |
| LIC-AC-3Y-CAP  | 3-Year Door License, Capacity Increase  | \$599                         | \$599                         |
| LIC-AC-5Y-CAP  | 5-Year Door License, Capacity Increase  | \$999                         | \$999                         |
| LIC-AC-10Y-CAP | 10-Year Door License, Capacity Increase | \$1,999                       | \$1,999                       |

### Access Control Cloud license (renewal)

| Model number   | Description                   | US cost (MSRP) <sup>USD</sup> | WW cost (MSRP) <sup>USD</sup> |
|----------------|-------------------------------|-------------------------------|-------------------------------|
| LIC-AC-1Y-RNW  | 1-Year Door License, Renewal  | \$249                         | \$249                         |
| LIC-AC-3Y-RNW  | 3-Year Door License, Renewal  | \$599                         | \$599                         |
| LIC-AC-5Y-RNW  | 5-Year Door License, Renewal  | \$999                         | \$999                         |
| LIC-AC-10Y-RNW | 10-Year Door License, Renewal | \$1,999                       | \$1,999                       |