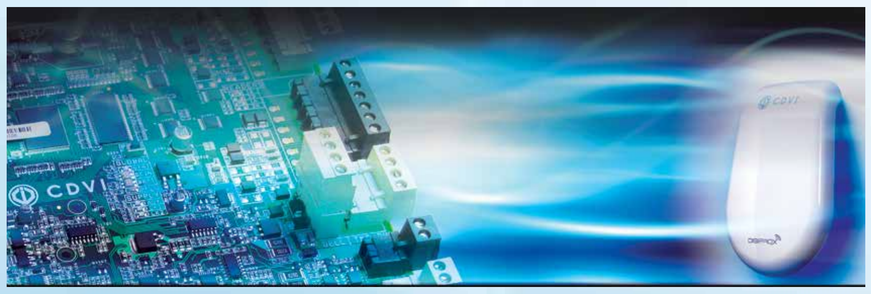
ATRIUM ACCESS CONTROL

ATRIUM is an easy-to-use and powerful 10 door access control system. ATRIUM's embedded web server enables you to add, delete or modify users/cards, user access privileges, holidays and schedules. Instantly lock/unlock doors, view system status and events from anywhere in the world using a web browser, smart phone or tablet. No need to purchase or download an app! ATRIUM's embedded web server does all this for free.

ATRIUM ACCESS CONTROL

Performance
Merging with Simplicity



cdvigroup.com

CDVI

Card Readers and Keypads

NANOPB
Mini Proximity Card Reader

STARPB
Mullion Proximity Card Reader

SOLARPB
Proximity Card Reader

SOLARKPB
Keypad and Proximity Card Reader

NANOPW
Mini Proximity Card Reader

STARPW
Mullion Proximity Card Reader

SOLARPW
Proximity Card Reader

SOLARKPW
Keypad and Proximity Card Reader

Proximity Cards and Tags

CS
Standard Clamshell Card

ISO
Printable ISO Card

BTAG
Blue Key Ring Tag

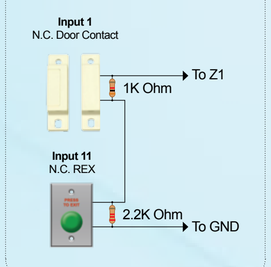
PPC
Grey Tag

DISCTAG
Mini PVC Adhesive Badge

AC22
2-Door Controller

Inputs
(10 onboard zone inputs, 20 with zone doubling)

Optional Zone Doubling Input Settings

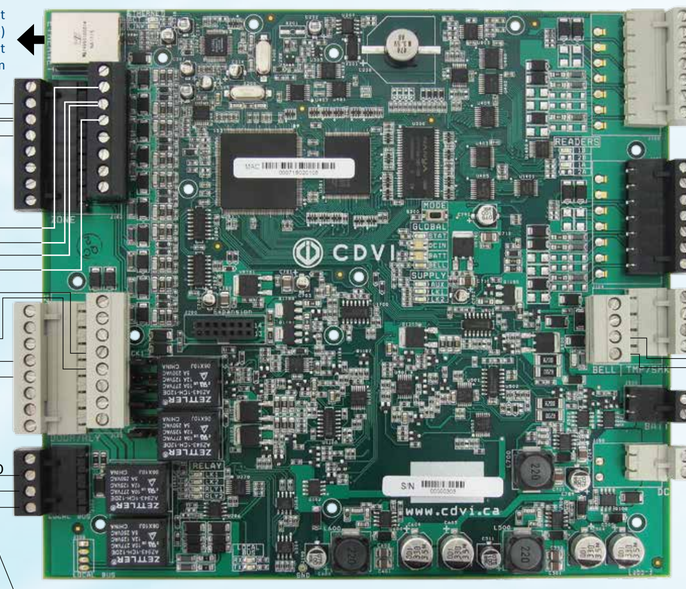


Factory Default Input Settings

Door 1
- N.C. Door Contact → Z1 (Input 1), GND
- N.C. REX → GND, Z2 (Input 2)

Door 2
- N.C. Door Contact → Z6 (Input 6), GND
- N.C. REX → GND, Z7 (Input 7)

Ethernet Port (10/100 Mbps) with AES 256-bit encryption



Readers

Reader 2
NANOPB
Mini Proximity Reader

12V / Red
GND / Black
D0 / Green
D1 / White
RED / Orange
GRN / Yellow
BUZ / Brown

Reader 1
NANOPB
Mini Proximity Reader

12V / Red
GND / Black
D0 / Green
D1 / White
RED / Orange
GRN / Yellow
BUZ / Brown

Tamper Switch
(N.C. Contact)

Door Cabinet Tamper Switch

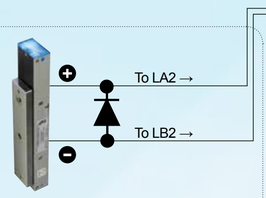
Wall Tamper Switch

Alarm Sounder
Bell Output - 12Vdc @ 3A (40 watts)

Battery 12V, 7AH
(UL/ULC: YUASA #NP7-12 recommended, Europe: CDVI B7AH recommended)

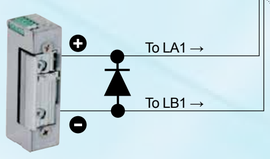
Door Locks
(2 door locks, 750mA @ 12Vdc output)

Lock 2



Jumper Settings (Energized)

Lock 1
(Factory Default Settings)

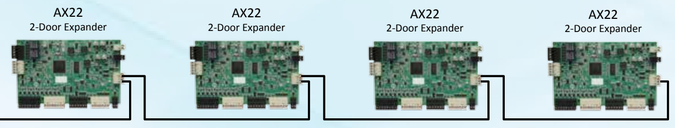


Jumper Settings (De-energized)

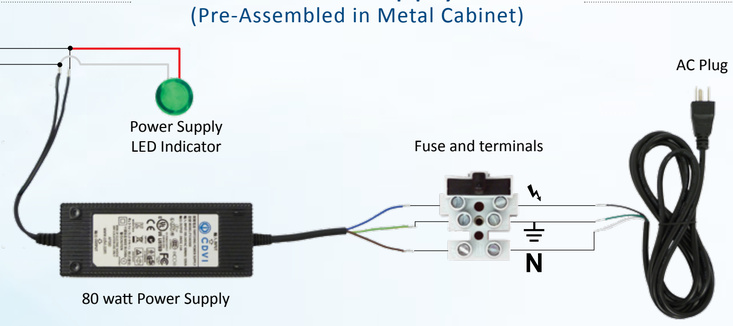
GND
A+
B-

Expander Module Local Bus (RS485)

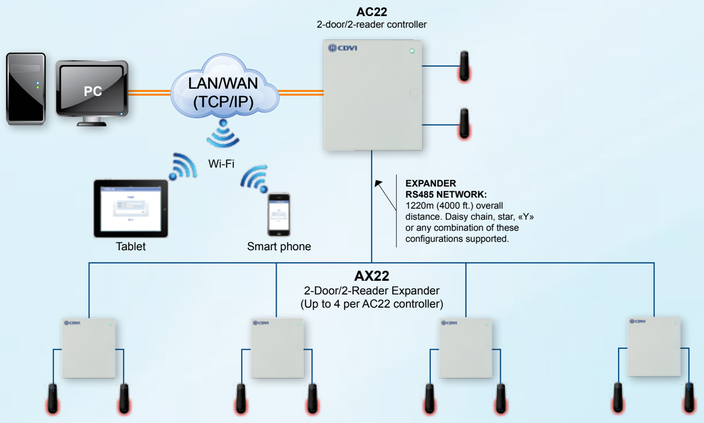
The expander module Local Bus supports an overall distance of 1220m (4000 ft.). Daisy chain, star or "Y" configurations (or a combination of these) are supported.



Power Supply
(Pre-Assembled in Metal Cabinet)



10-Door
Access Control System



Main Features	ATRIUM 10 Door System
Embedded Web Server	✔
Pre-assembled universal power supply (120V / 240V)	✔
Expander module auto-detection	✔
FREE ATRIUM software	✔
Users / Cards	1,000 / 1,000
Areas	10
Inputs	50 (100 using zone doubling)
Schedules /Periods	100 Schedules. Each schedule supports 100 time periods.
Access Levels	100
Event Buffer	5,000 (Firmware V2.00)

Card Enrollment Mode
in Four Quick & Easy Steps

With today's ever-increasing hectic pace, time is becoming more and more precious. ATRIUM's quick and easy Card Enrollment Mode makes adding or deleting cards faster than ever before. So easy in fact that a computer is no longer required to accomplish these common tasks. You will definitely appreciate this highly effective and speedy feature.

With the addition of each new card (or tag) using the quick and easy card enrollment mode, a user will be created automatically in the ATRIUM system. Personalize the user information using the free ATRIUM software or via the embedded web interface using a browser, smart phone or tablet.
No need to download an App!

1. Present the "MASTER CARD" to a reader & open the door. A door position switch (door contact) is required.

2. Within unlock time, present the "PROGRAMMING CARD" to the same reader. LEDs will flash in sequence, 2 Red flashes + 2 Green, to indicate programming mode is activated.

3. Present cards or tags, one by one, to the reader.

- NEW cards will be ADDED.
  - Green LED will flash and a pulsed beep will be emitted.
- EXISTING cards will be DELETED
  - Red LED will flash & a long beep will be emitted.

4. Present the "PROGRAMMING CARD" again to stop enrollment mode. You are done.

The "MASTER CARD" and "PROGRAMMING CARD" are provided with the ATRIUM system.

ATRIUM ACCESS CONTROL

Performance
Merging with Simplicity

AC22 | 2-Door Controller

- Control 2 doors / 2 readers (up to 10 doors with four AX22 2-door expanders)
- Embedded Web Server
- Pre-assembled universal power supply (120V / 240V)
- On-board Ethernet Port with AES 256-bit encryption
- Free ATRIUM software
- On-board RS-485 expansion communication bus
- Expansion module auto-detect technology
- Quick and easy card enrollment procedure
- Anti-Passback (Soft, Hard & Timed)
- Interlock (Mantrap)
- 10 Inputs (20 using zone doubling technology)
- Totally fuseless system
- Includes metal cabinet with cabinet door lock, cabinet door and wall tamper switches
- Bell output (12Vdc @ 3A max., 40W)
- 2 Lock outputs: 750mA @ 12Vdc each (configurable as dry contact relays)
- 2 additional onboard dry contact relays (form C) 5A @ 250Vac, 7A @ 125Vac, 7A @ 30Vdc
- Ultra-fast firmware update (less than 10 seconds)
- Wiegand & ABA Track II magnetic stripe compatible
- Maintenance-friendly snap on terminal connectors
- Comprehensive LED status indicators
- Environment: -22°C to 50°C (-4°F to 122°F)

AX22 | 2-Door Expander

- Control 2 doors / 2 readers
- 1220m (4000ft.) 4 conductor RS-485 expansion bus (No jumpers or DIP switches)
- 2 Lock outputs: 750mA @ 12Vdc each (configurable as dry contact relays)
- 2 additional onboard dry contact relays (form C) 5A @ 250Vac, 7A @ 125Vac, 7A @ 30Vdc
- Includes metal cabinet with cabinet door lock, cabinet door and wall tamper switches
- Wiegand & ABA Track II magnetic stripe compatible
- 10 Inputs (20 using zone doubling technology)
- Comprehensive LED status indicators
- Environment: -22°C to 50°C (-4°F to 122°F)

ATRIUM KITS

AC22KITB | Controller Kit
- 1 x AC22
- 2 x NANOPB (black mini proximity readers)

AX22KITB | Expander Kit
- 1 x AX22
- 2 x NANOPB (black mini proximity readers)

All the specifications on this document (photos, drawing, features and dimensions) could be changed without prior notice.
EXE-CDVI_CP ATRIUM-SPECIALISTS CMYK 630x900 EN 02 - Printed in Canada. March 2013