

## Datasheet

### ATRIUM/ A22K - 2 door controller

#### Product description

The A22K is our 3rd generation of ATRIUM, featuring high levels of encryption and flexibility. The A22K brings high security to enterprise level installations to the mid-market.

The A22K can manage traditional readers and cards as well as offering superior support with the latest high security credentials featuring AES128 bit encryption. Paired with the CDVI K2 series of readers (MiFARE, DESFire EV2 credentials) it provides users with full end to end encryption between card - reader - controller and the wider ATRIUM network to ensure cards cannot be cloned and systems cannot be manipulated with.

**KRYPTO**  
HIGH SECURITY SOLUTION


**ATRIUM**  
ACCESS CONTROL



 *Certification*

 *DEEE*

**RoHS** *Certification*

 *-20°C to 70°C*

#### Key features

- 2 doors & 4 readers supported  
*1 Door Read In/Out or 2 Doors Read In Only*
- End-to-End AES encryption
- Secure HTTPS (SSL/TLS) web browser
- OSDP V2 Reader Compatible
- Includes free software & free app
- Up to 500 doors, 10,000 users & cards

## Communication

### On-board Ethernet:

A22K to A22K (max 50 IP-IP)

**Bus:** RS485 A22K (max 4 per A22K)

**Auto:** detect hardware modules  
(No DIP Switches)

## Reader Support

OSDP V2 compatible

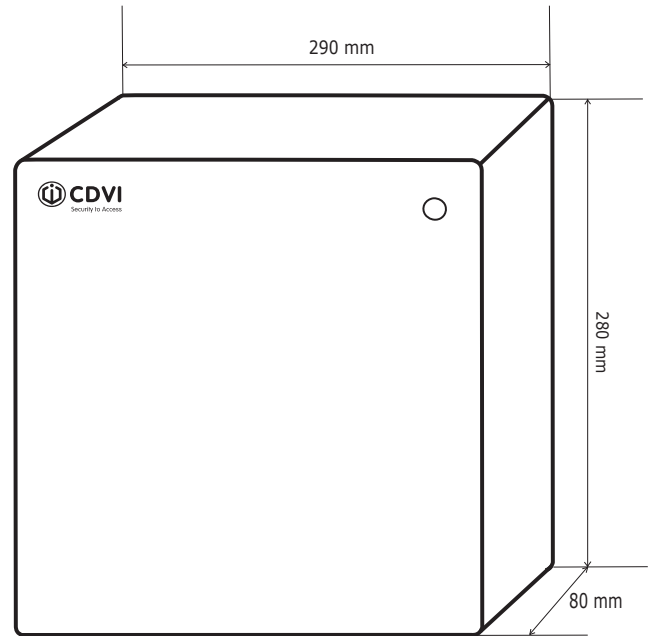
26, 30 & 44 Bit Wiegand format

Track 2 ABA

Reader & Keypad (Card & PIN)

K2 CDVI Reader or all other CDVI Readers

3rd Party if compatible



## Input Specifications

**Reader inputs/ports:** 2 Wiegand readers  
OR 4 RS485 high security readers

**Multi-purpose inputs:** 6  
(12 using zone doubling)

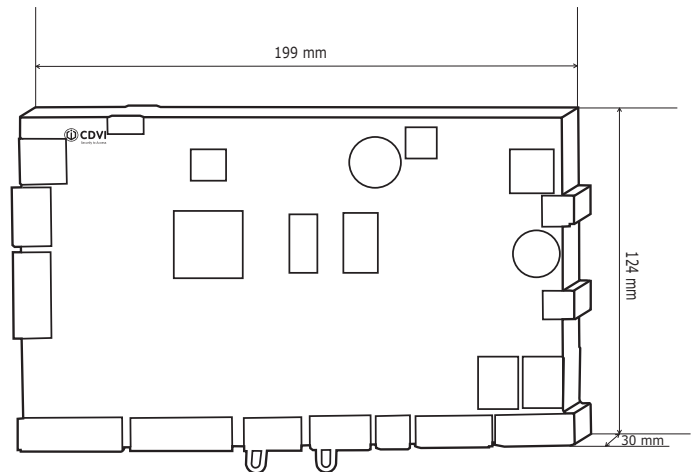
## Output Specifications

### Auxiliary outputs:

12Vdc @ 1A (fuseless protection)

**Lock outputs:** 2 x (Max 750mA @12Vdc)

**Relay outputs:** 2 x Form C relays  
(Dry Contact) 5A @250Vac,  
7A @125Vac, 7A @30Vdc



## Electrical Specifications

**Power input:** 120 Vac to 240Vac, 50/60Hz

**Charging current:** 250mA (default), 500mA, or 1A

**Battery backup:** One 12Vdc 7Ah rechargeable acid/lead or gel cell backup battery  
(Europe: CDVI B7AH recommended). Ensure proper polarity.