

Datasheet

A22K - 2 Door/4 Reader IP Controller

Product Description

The ATRIUM A22K two door IP controller works perfectly with the most popular Wiegand card readers or with the embedded KRYPTO high-security solution, providing the best of both worlds in access control.

KRYPTO is the easiest solution to manage DESFire® EV2/EV3 smart credentials on the market making worries of card cloning a thing of the past. The auto-restore of encryption keys upon power failure ensures an effortless system start up and management.

Additionally, the A22K can easily be converted to an Elevator Controller (A22KEC), Schlage Door Handle Controller (ADH2K), or Aperio Door Handle Controller (A2PK) as needed. ATRIUM's efficiency will simplify your life.

Key Features

- Supports 2 doors & 4 readers (read in/read out with KRYPTO readers)
- End-to-end AES encryption (when combined with KRYPTO readers)
- Embedded secure HTTPS (SSL/TLS) web server
- Includes free ATRIUM software & updates
- Up to 500 doors, 10,000 users & cards
- Pre-assembled plug-in power supply
- App to unlock doors with a phone (when combined with KRYPTO mobile-ready readers)

KRYPTO HIGH SECURITY SOLUTION **ATRIUM** ACCESS CONTROL



System Capacity	
Users / Cards	10,000 / 10,000
Access Levels	1,000
Holidays	100
Schedules (100 time periods each)	250
Event Buffer	25,000
Floor levels	256
Areas	10



Certification



Certification



DEEE

RoHS

Certification



-4°F to 158°F
(-20°C to 70°C)

Communication

On-board Ethernet: 10/100 Base-T, Auto Sensing, 100 m (300 ft)

Local BUS: RS485 communication for expanders

Input Specifications

**Reader/Keypad Ports
(Wiegand or RS485):** 2

Multi-purpose inputs: 2 (4 using zonedoubling)

Output Specifications

Lock outputs: 2 (750 mA @12 VDC/each)

Relay outputs: 2 Form C relays, 5A @250 VAC, 7A @125 VAC, 7A @30 VDC

**Reader Outputs
(Wiegand):** 6 x 50 mA Open collector output

Multi-purpose outputs: 2 x 50 mA Open collector output

On-board Protection (all fuseless and auto-resume)

LK1 & LK2 12 VDC @ 750 mA

Auxiliary outputs: 1A (12 VDC) fuseless protection

Battery: Against reversal, short, current limited/
monitored

Electrical Specifications

Power input: 120 VAC to 240 VAC, 50/60Hz

Power output: 24 VDC, 2.5 A

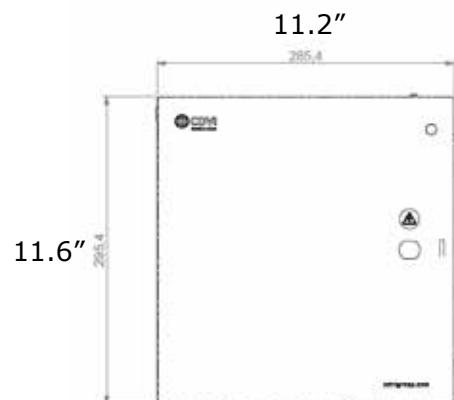
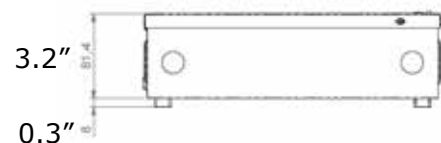
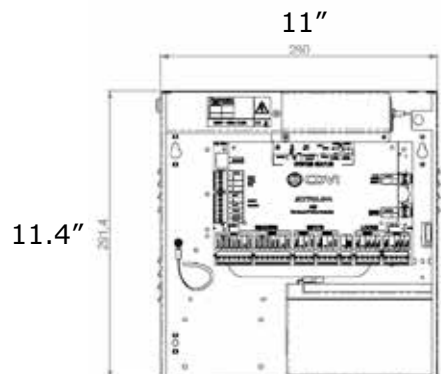
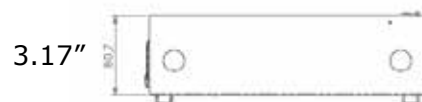
AC Terminal Fuse: 250 VA, 2.5 A. Time Lag, Slow Blow

Power Loss Indicator: Yes (DC IN)

Battery backup: One 12 VDC, 7 Ah, gel cell batteries

Recommended Wiring

Equipment	Wire Type	Size	Maximum Length
Card reader and Wiegand keypad	4 to 8 conductors, stranded, shielded (foil), drain conductor. For example: Alpha 5196, 5198, 5386, 5388, Belden 9553	22AWG (0.64mm) to 18AWG (1.02mm)	150m (500ft.)
Zone input	2 conductors, copper 22AWG (0.64mm)	22AWG (0.64mm)	600m (2000ft.)
Door strike	2 conductors, solid copper 18AWG (1.02mm)	18AWG (1.02mm)	150m (500ft.)
Power Supply	3 conductors, solid copper 18AWG (1.02mm)	14AWG (1.63mm)*	8m (25ft.)
Ethernet	CAT 5/5e	-	100m (300ft)
RS485 bus, Star or Daisy Chain (no BIAS/EOL required)	CAT 5/5e or 4 pairs	24AWG (0.51mm)	1220m (4000ft.)
	4 conductors, copper	26AWG (0.40mm) to 18AWG (1.02 mm)	



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STARPB - Multi-Technology Proximity Reader

Product Description

The STARPB is a black mullion proximity card reader geared with a high performance read range. Its innovative design is recognized worldwide, having won several awards.

This device is equipped with Wiegand technology and gives visual feedback through its multi-colored LED's.

Sealed in epoxy, this multi-technology reader is compatible with CDVI and most popular 26-bit Wiegand card encoding.

Key Features

- Award-winning innovative design
- Reads CDVI & most popular 26-bit Wiegand card encoding
- PCB sealed in epoxy
- Audible and visual feedback
- Multicolored LED



DIGIPROX



Certification



Certification



DEEE

RoHS

Certification



IP53



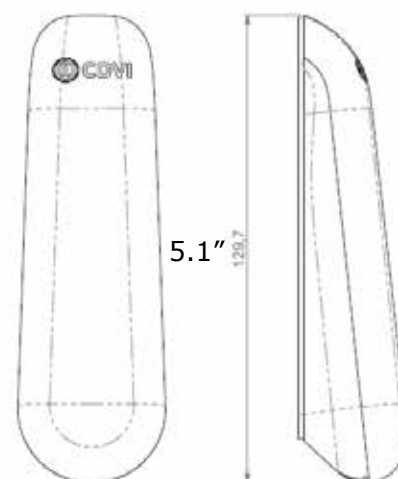
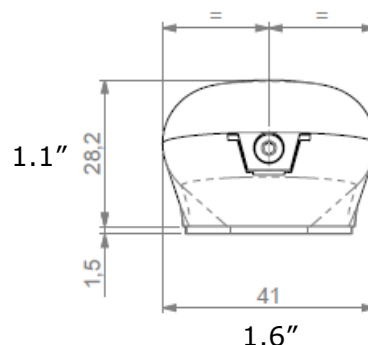
-13°F to 158°F
(-25°C to 70°C)

Product Specifications

Material:	Polycarbonate
Mounting:	Surface
Technology:	125 kHz
Security level:	Standard
Wiegand:	26, 30 or 44 bits
Read range:	Up to 4" (10 cm)
Weight:	2.5 oz, 70 g

Electrical Specifications

Power input:	12 VDC
Consumption:	100 mA



Accessories



ISO25

Printable ISO Card



CS25

Clamshell Card



BTAG25

Blue Proximity Key Tag

Datasheet

CS25 - Clamshell Card

Product Description

The CS25 is a standard clamshell card. It contains a 125 kHz proximity technology RFID chip. This affordable RFID proximity solution is ideal for any standard access control projects.

CDVI offers a variety of access control credentials with different technologies (125 kHz proximity or MIFARE®). You'll find the ideal credentials to meet the needs of your installation. You can also customize our CDVI cards and tags with your own company logo (minimum order of 1,000 units).



Key Features

- CDVI 26-bit encoding
- Sequential decimal number printed on each card
- Available in packs of 25

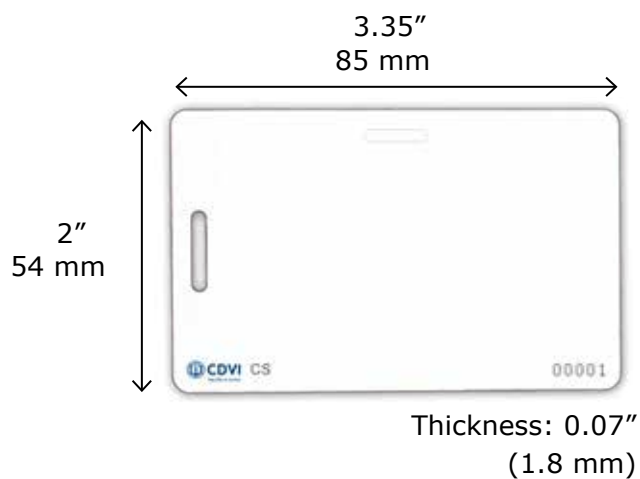
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Product Specifications

Material:	PVC
Technology:	CDVI 26-bit encoding
Frequency:	125 kHz
Security level:	Standard
Weight:	0.2 oz, 8 g



Also available in these technologies



CSH25

HID-compatible 26-bit 125 kHz
Clamshell Card



CSM

MIFARE® Classic 1K 13.56 MHz
Clamshell Card



CSDT

Dual-Tech CDVI 125 kHz &
DESFire® EV2 Clamshell Card

Datasheet

DISCTAG25 - Sticker Credential

Product Description

The DISCTAG25 is a small PVC sticker credential. It contains a 125 kHz RFID chip. This affordable RFID proximity solution is ideal for any standard access control projects.

CDVI offers a variety of access control credentials with different technologies (125 kHz proximity or MIFARE®). You'll find the ideal credentials to meet the needs of your installation. You can also customize our CDVI cards and tags with your own company logo (minimum order of 1,000 units).

**Contact with wireless phone chargers may damage RFID credentials.*



Key Features

- CDVI 26-bit encoding (125 kHz)
- Sequential decimal number printed on each sticker
- Available in packs of 25

 Certification
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 Certification

Product Specifications

Material:	PVC
Technology:	CDVI 26-bit encoding
Frequency:	125 kHz
Security level:	Standard
Weight:	0.3 oz, 1 g



1.2" dia. (30 mm dia.)

Also available in these technologies



DISCTAGH25

HID-compatible (125 kHz)
Sticker Credential



DISCTAGM

MIFARE® Classic (13.56 MHz)
Sticker Credential

Datasheet

KTAG25 - Black Key Ring Tag

Product Description

The KTAG25 is a black PVC fob with a handy metal keyring. It contains a 125 kHz RFID chip, this affordable RFID proximity solution is ideal for any standard access control projects.

CDVI offers a variety of access control credentials with different technologies (125 kHz proximity or MIFARE®). You'll find the ideal credentials to meet the needs of your installation. You can also customize our CDVI cards and tags with your own company logo (minimum order of 1,000 units).



Key Features

- CDVI 26-bit encoding (125 kHz)
- Sequential decimal number printed on each tag
- Available in packs of 25

 Certification

 DEEE

RoHS Certification

Product Specifications

Material:	PVC
Technology:	CDVI 26-bit encoding
Frequency:	125 kHz
Security level:	Standard
Weight:	0.2 oz, 8 g



Also available in these technologies



KTAGH25
HID-compatible 125 kHz
Key Ring Tag



KTAGM25
MIFARE® Classic (13.56 MHz)
Key Ring Tag