

Datasheet

ADH10K - Schlage & Aperio Enabled Controller

Product Description

The ADH10K Controller marks the integration of CDVI's ATRIUM product range with the Schlage/Engage & Aperio range of wireless locks and handles.

ATRIUM's multi-account software supports up to 500 door handles per account (site). This is done by using fifty ADH10K controllers connected to an IP network. Effortless auto-detect technology identifies the SCHLAGE door handles or the Aperio locks on the communication bus.

Configure between 8 wireless handles and 2 wired readers (Aperio), or 10 wireless handles (Schlage).

Key Features

- Controls up to 10 door handles
- Integrates Aperio, Schlage AD 300/400 & NDE wireless locks & door handles
- Up to 500 doors, 10,000 users & cards
- Includes free ATRIUM software and updates
- Pre-assembled, plug-in power supply



Certification



DEEE



Certification



32°F to 120°F
(0°C to 49°C)

Communication

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

Local BUS: RS485 communication between controller and expander

Input Specifications

Door handles: 10 Schlage
8 Aperio + 2 readers

Multi-purpose inputs: 2 (4 using zone doubling)

Output Specifications

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

Multi-purpose outputs: 2 100 mA @ 12 VDC, Open collector output

On-board Protection

Auxiliary outputs: 1A (12 VDC) fuseless protection

Battery: Against reversal, short, current limited/monitored

Electrical Specifications

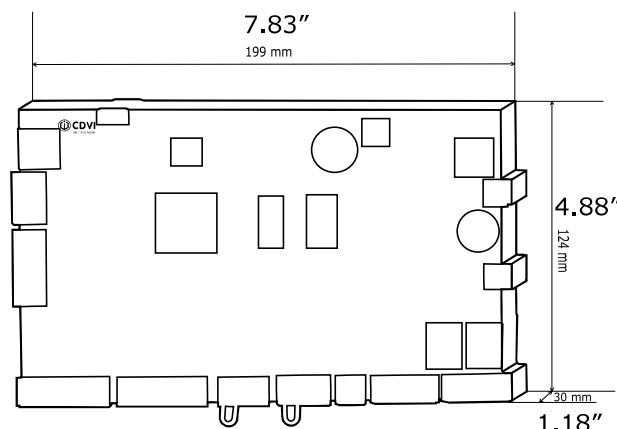
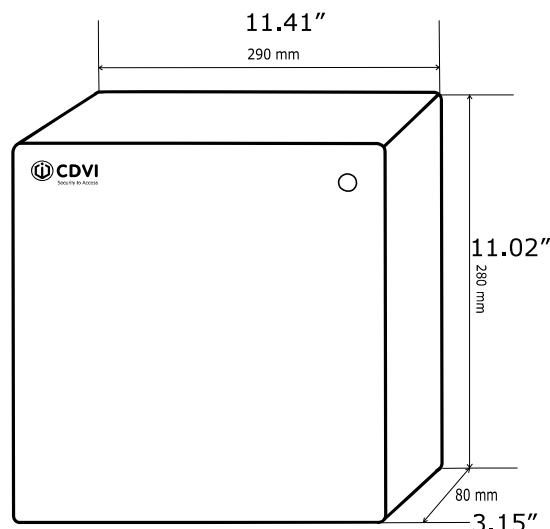
Power input: 120 VAC to 240 VAC, 50/60Hz

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
Zone input	2 conductors, copper 22AWG (0.64mm)	22AWG (0.64mm)	600m (2000ft.)
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 2 twisted pairs	24AWG (0.51mm)	1220m (4000ft.)
	4 conductors, copper	26AWG (0.40mm) to 18AWG (1.02 mm)	