

Aperio® DR100

Wireless Wall Reader with Relays

ASSA ABLOY
Opening Solutions

Technical information

Experience a safer
and more open world

Robust access management for high traffic doors

The ASSA ABLOY Aperio DR100 is the quickest way to upgrade access control: It works with almost any system, via Online, Offline or OSS-standard offline integration.



Flexibility

Universal compatibility with traditional electromechanical locking devices



Easy integration

Aperio DR100 works seamlessly with access control systems integrated to Aperio via AADP protocol or the Wiegand hub. No database integration required.



Easy installation

Easy surface-mounted, no-cut installation



Convenience

Aperio DR100 reads industry-leading RFID credentials, as well as mobile (NFC and BLE).







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Documents
and certificates

Technical data and features

	Authentication	CARD/Mobile
	RFID technologies (based on reader type)	iCLASS, iCLASS SE, iCLASS Seos, MIFARE Classic, Mifare Classic SE, Mifare Ultralight, Mifare Plus, Mifare DESFire 0.6, Mifare DESFire EV1, Mifare DESFire EV2, Mifare DESFire EV3 (EV2 and EV3 only in Legacy mode), Mifare DESFire SE, PicoPass, ISO 14443A UID, ISO 14443B UID, ISO 15693 UID
	RFID reading	UID / Sector / Block / Application / File Segment Data – Depending on the RFID technology
	RFID reading range	Up to 4 cm
	Mobile technologies	Seos, STid and Gallagher-enabled mobile credentials via BLE and NFC Seos and DESFire mobile credentials in Apple Wallet and Google Wallet
	Approvals	CE, UKCA
	Dimensions	Reader: 140,8 x 45,5 x 32,5 mm (H x W x D) Relay: 150,8 x 45,5 x 27,5 mm (H x W x D)
	Surface	UV resistant ABS plastic
	Door leaf thickness	Up to 355,6 mm (14")
	Battery	Hard-powered: 12-24 VDC
	Radio standard	IEEE 802.15.4 (2.4 GHz)
	Encryption (radio communication)	AES 128 bits
	Distance between device and hub	Up to 25m depending on the building environment
	Class of protection	IP 65 makes it durable and appropriate for outdoor use
	Operating temperature range	-10°C to 60° C
	Relative humidity	93 % RH at 32° C
	Status	LED (red/green/orange)
	Door sensor information	Tamper detection Doors position (open/closed) Request to exit input
	Communication interfaces	Communication via radio (USB dongle) or micro-USB cable (accessory)
	Offline and Online operation modes	Aperio Online; Aperio Offline; OSS-standard Offline



For indoor and exterior use



It includes:

- 1 Reader module
- 1 Secure Relay module
- (4X) 4-20 Self Tapping screw
- 1 T8 Security Torx Bit
- 4-40 Security Torx screw
- Alcohol Swab
- Wire Sealing Grommet
- Wire Harness Extender



Communicates with:

- RS485 Communication Hub
- Aperio IP Communication Hub
- Wiegand Interface (Standard and advanced versions) Communication Hub



Smart Credential Handling:

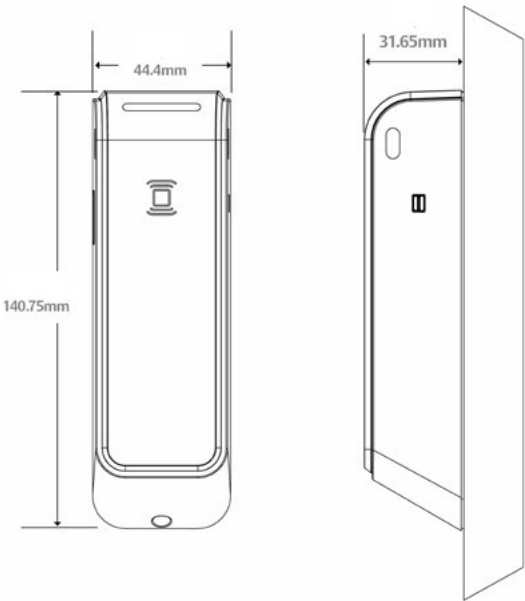
Up to 1000 users can be granted access even if the EAC is temporarily down.

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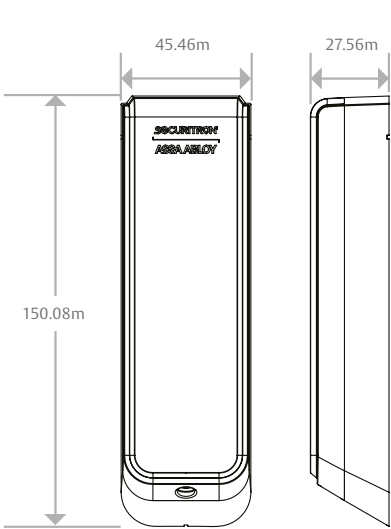
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Dimensions

Wall reader (outside)



Relay board (inside)



Aperio DR100 Wireless Wall Reader with Relays

Ordering information

Article code	Description
DR100C-BIPSXXXX-EU	Aperio V3 Wall Reader with Relays IP65

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