E100 EURO
Standard escutcheon Euro profile

ASSA ABLOY

aperio — Wireless lock technology expanding access control systems

Product description

- Communication from hub via RS485 bus to the Online Access Control System (addressable) - access decision in the EAC system
- Can be used with all European (DIN) mortise locks - in wooden, steel and tubular-frame doors
- Main electronics (RFID + radio) outside - security-relevant electronics inside
- Outside handle rotates freely - inside handle always engaged
- Override Credentials: Up to 10 override credentials can be stored for an emergency access in case of failure or no communication with the access control or the hub.
- Smart Credential Handling: In addition to the override credentials, the last valid credentials (up to 1000) can be cached automatically and for a limited time, so that an opening can still be made without the intervention of the administrator.
- LED for status visualisation

Scope of delivery

- 1 escutcheon with battery (Lithium CR123A) and installation instructions
- Screws, drilling template and tool (for inserting cables)
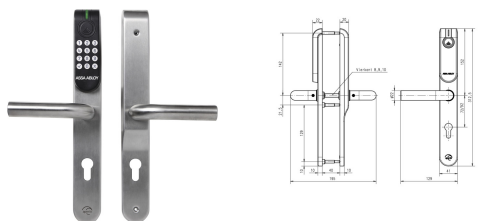
Suitable ASSA ABLOY products

- Aperio 1 to 8 communications hub
- AH20 1-to-1
- AH40 1-to-16 IP

Accessories/Individual parts

- Aperio PAP tool and wireless dongle 99 04_PAP tool
- Spare battery 99 0x_Battery
- Optional Covering plate - to cover existing boreholes 99 02_Coveringplate

Technical data - Standard escutcheon

	Authentication	Three levels of autentification (PIN only, CARD only, PIN & CARD combined)
	Code	PIN code - 4 up to 8 digits
	Approvals	CE
	Dimension	312 x 41 x 10/20 mm (H x W x D)
	Version	Basic = internal doors to category 2
	Handle	L-Shape, U-Shape
	Surface	Stainless steel brushed (ST)
	Distance	Distance 72 mm, 92 mm; Spindle 8 mm, 9 mm, 10 mm
	Door leaf thickness	Door leaf between 40 and 100 mm thick, in 10 mm increments
	Backset	> 40 mm
	Battery	1 x Lithium CR123A
	Battery life	30 openings per day for 49 months
	Radio standard	IEEE 802.15.4 (2.4 GHz)
	Encryption (radio communication)	AES 128 bits
	Distance between the RFID-Reader and hub	Typical range 25 m depending on the hub type and building environments
	Class of protection	IP 52
	Operating temperature range	0°C to 60°C
	Relative humidity	< 85% (condensation-free)
	Status	LED (red/green/orange)
	RFID Technologies (Based on reader type)	High Frequency: iCLASS®/ISO 14443B; MIFARE Classic® / MIFARE® DESFire® EV1&EV2; Legic: LEGIC® (Advant, Prime, ISO/IEC14443 UID, ISO/IEC15693 UID); Optional MIFARE® Support

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RFID reading

RFID Reading range	UID / Sektor / Block / Application / File / LEGIC® Segment Data
	< 4 cm

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	Communication interfaces	Micro USB firmware download and battery back up