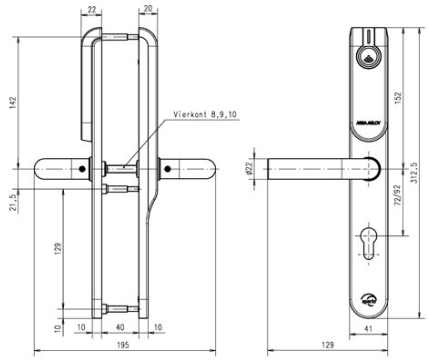
ASSA ABLOY

Wireless
lock technology
expanding access
control systems

E100 EURO
Standard escutcheons



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
- Possibility to store up to 10 emergency cards (only used in case of disconnection from the hub)
- LED for status visualisation

Accessories/Individual parts

- Programming application tool
- Battery
- Escutcheon spare spindle set
- Optional Covering plate - to cover existing boreholes
- Architectural glass solution with Aperio® escutcheons

Suitable ASSA ABLOY products

- AH13 1-to-1 Standard Aperio® RS485 communication hub
- AH30 1-to-8 Standard Aperio® RS485 communication hub
- AH15 1-to-1 Standard Wiegand Aperio® Wiegand interface communication hub
- AH20 1-to-1 Advanced Wiegand Aperio® Wiegand interface communication hub
- AH40 Aperio® IP communication hub

Scope of delivery

- 1 escutcheon with battery (Lithium CR123A) and installation instructions
- With or without communication hub
- Screws, drilling template and tool (for inserting cables)

Technical data - Standard escutcheons

Authentication	Three levels of autentification (PIN only, CARD only, PIN & CARD combined)
PIN code	PIN code - 4 up to 8 digits
Approvals (CERTIFICATION=)	CE
Dimensions	312 x 41 x 10/20 mm (H x W x D)
Application versions (VERSION=)	Basic = interior and exterior doors up to grade 2
Handle versions (HANDLE=)	L-Shape, U-Shape
Escutcheon finish (FINISH=)	Stainless steel brushed (ST)
Distance/ Spindle (DISTANCE=)	Distance 72 mm, 92 mm; Spindle 8 mm, 9 mm, 10 mm
Door Thickness (DOOR THICKNESS=)	Door leaf between 40 and 100 mm thick, in 10 mm increments
Backset	> 40 mm
Battery	1 x Lithium CR123A
Battery life	> 40,000 cycles (for max. 3 years)
Radio standard	IEEE 802.15.4 (2.4 GHz)
Encryption (radio communication)	AES 128 bits
Distance between the RFID-Reader and hub	Typical range of 5 m or 25 m depending on the hub type and building environments
Class of protection	IP 52
Operating temperature range	0°C to 60°C
Humidity	< 85% (condensation-free)
Status	LED (red/green/orange)
RFID Technology	iCLASS®/ISO 14443B; MIFARE™ classic; MIFARE™ plus; MIFARE™ DESFire™ EV1; HID PROX/ EM410x
RFID reading	UID / Sektor / Block / Application / File
Scanning range	< 4 cm

MIFARE™ CLASSIC / DESFire™

MIFARE™ CLASSIC / PLUS

EM410x

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