APERIO C 100 EURO – Metal double knob cylinder

Aperio provides system solutions for wireless access control. Aperio was developed by Assa Abloy for easy implementation into end customer solutions access and attendance systems. The system is characterized by ease of installation and flexibility.

Functional options:

Communication from hub via RS485 bus to the Online Access Control System (addressable) - access decision in the EAC system
Compatible with all DIN mortice locks, suitable for locks on glass door wings and walls
Main electronics (RFID + radio) in the outside knob - secure electronics inside cylinder core
Freely rotating lock cam
Outside knob free wheeling - inside knob always engaged (not for VERSION= E/ED, ED/ED)
Possibility to store up to 10 emergency cards (only used in case of disconnection from the hub)
LED for status visualisation

Technical parameters

Approvals	CE; fire door up to T90; DIN EN 15684 (1/6/B/4/-/F/3/2)
Version	Fix or demountable knob versions with or without RFID-Reader
Knob dimensions	43 x 32 mm (L x Ø)
Knob surface	Stainless steel
Cylinder length (LENGTH=A/LENGTH=B)	Basic length 30/30 mm, extendable in 5 mm increments up to 60 mm
Fixing screw	60 or 85 mm

Technical parameters

Battery	1 x Lithium CR2
Battery life	< 30,000 cycles (for max. 2 years)
Radio standard	IEEE 802.15.4 (2,4 GHz)
Encryption (radio communication)	AES 128 bit
Distance between the RFID-Reader and hub	Typical range up to 25 m depending on the hub type and building environments
Class of protection	IP 65
Operating temperature range	-20° to +55°C
Door status	LED (red/green/orange)
RFID Technology	iCLASS®/ISO 14443B; iCLASS® Seos; MIFARE™ Classic; MIFARE™ Plus; MIFARE™ DESFire™ EV1; LEGIC® Advant; LEGIC® Prime (in progress)
RFID reading	UID / Sektor / Block / Application / File
Scanning range	< 4 cm
Communication interfaces	Micro USB Firmware download (V3 only)