

L 100 EURO – Electronic lock with Standard RFID-Reader

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

Possibility to store up to 10 emergency cards (only used in case of disconnection from the hub)

LED for status visualisation

Main electronics inside - Reader element outside including emergency battery connector and indication LED's

Intelligence split structure enables extreme temperature range (-40°C to +65°C)

Outside handle controlled by electronics - Inside handle always engaged (request to exit sensor included)

Integrated sensors for bolt and door position, mechanical key override

Technical parameters:

Authentication	Three levels of authentication (PIN only, CARD only, PIN & CARD combined)
Code	PIN code - 4 up to 8 digits
Approvals	CE, EN14846, EN179 and EN1125 lock
Dimension	Lock 168,5 x 16,5 x 88/93/98 (H x W x D), Reader inside 167,8 x 48 x 20 / outside 101,8 x 43,7 x 15 (H x W x D)



Technical parameters:	
Door type	Standard or narrow doors
DIN-direction	Left / Right
Backsetf	Standard doors (55 mm, 60 mm, 65 mm); narrow doors (30 mm, 35 mm)
Distance	Distance standard doors 72 mm / narrow doors 92 mm, spindle 8/9 mm
Front plate	24 mm+
Door leaf thickness	Spindle length - Door thickness in (): 47/50 (40- 54 mm); 57/50 (47/66 mm); 67/60 (61-80 mm); 74/50 (66-80 mm); 120/120 (88-100 mm); 80/50 (70-87 mm)
Battery	2 x Lithium AA (FR6)
Battery life	> 100,000 cycles (for max. 4 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 44 innen / IP 55 außen
Operating temperature range	10°C to 65°C inside / -40°C to 65°C outside
Relative humidity	< 85% (condensation-free)
Door status	LED (red/green/orange)
Door status	Locking status (unlocked / locked); Door indication (closed / open); Inside handle detection; Key Cylinder use; Tamper (sabotage)
RFID Technology	iCLASS®/ISO 14443B; MIFARE™ classic; MIFARE™plus; MIFARE™ DESFire™ EV1; HID PROX/ EM410x, LEGIC® Advant (in progress)
RFID reading	UID / Sektor / Block / Application / File
Scanning range	< 4 cm
Communication interfaces	Micro USB firmware download and battery back up

