



Wireless  
lock technology  
expanding access  
control systems

# L100 EURO

## Electronic lock with Standard RFID-Reader



### Product description

- Communication from hub via RS485 bus to the Online Access Control System (addressable) - access decision in the EAC system
- 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
- Possibility to store up to 10 emergency cards (only used in case of disconnection from the hub)
- LED for status visualisation

### Accessories/Individual parts

- Lock spindle
- Programming application tool
- Battery







### Suitable ASSA ABLOY products

- AH30 1-to-8 Standard Aperio® RS485 communication hub
- AH20 1-to-1 (Advanced) Wiegand Aperio® (Advanced) Wiegand interface communication hub
- AH40 1-to-16 IP AH40 Aperio® IP communication hub

### Scope of delivery

- 1 lock with batteries (Lithium AA FR6) and installation instructions
- 1 reader element including inside and outside unit
- Screws, flexible cables, drilling template
- Spindles have to be ordered separately

### Technical data - Electronic lock with Standard RFID-Reader

	<b>Authentication</b>	Three levels of authentication (PIN only, CARD only, PIN & CARD combined)
	<b>PIN code</b>	PIN code - 4 up to 8 digits
	<b>Approvals</b>	CE, EN14846, EN179 and EN1125 lock
	<b>Dimensions</b>	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)
	<b>Door Type</b>	Standard or narrow doors
	<b>Door Swing Direction</b>	Left / Right
	<b>Backset</b>	Standard doors (55 mm, 60 mm, 65 mm); narrow doors (30 mm, 35 mm)
	<b>Distance/ Spindle</b>	Distance standard doors 72 mm / narrow doors 92 mm, spindle 8/9 mm
	<b>Front plate</b>	24 mm
	<b>Door Thickness</b>	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)
	<b>Battery</b>	2 x Lithium AA (FR6)
	<b>Battery life</b>	> 100,000 cycles (for max. 4 years)
	<b>Radio standard</b>	IEEE 802.15.4 (2.4 GHz)
	<b>Encryption (radio communication)</b>	AES 128 bits
	<b>Distance between the RFID-Reader and hub</b>	Typical range up to 25 m depending on the hub type and building environments
	<b>Class of protection</b>	IP 44 inside / IP 55 outside
	<b>Operating temperature range</b>	10°C to 65°C inside / -40°C to 65°C outside
	<b>Humidity</b>	< 85% (condensation-free)







MIFARE™  
CLASSIC/PLUS

EM410x

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ASSA ABLOY

	<b>Status</b>	LED (red/green/orange)
	<b>Door status</b>	Locking status (unlocked / locked); Door indication (closed / open); Inside handle detection; Key Cylinder use; Tamper (sabotage)
	<b>RFID Technology</b>	iCLASS®/ISO 14443B; MIFARE™ classic; MIFARE™plus; MIFARE™ DESFire™ EV1; HID PROX/EM410x, LEGIC® Advant (in progress)
	<b>RFID reading</b>	UID / Sektor / Block / Application / File
	<b>Scanning range</b>	< 4 cm
	<b>Interface</b>	Micro USB firmware download and battery back up

