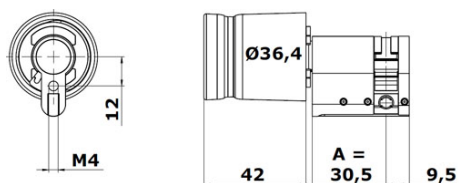# ASSA ABLOY

aperio™

Wireless
lock technology
expanding access
control systems

C100 EURO
Standard single knob cylinder

Product description
- 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
- 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
- Knob Cover

Compatible 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

Scope of delivery
- 1 single knob cylinder with battery (Lithium CR2) and installation instructions
- With or without communication hub
- Screws and fixing material

CE F iCLASS by HID PROX BY HID

MIFARE™
CLASSIC / DESFire™

MIFARE™
CLASSIC / PLUS

EM410x

Technical data - Standard single knob cylinder

	Approvals (CERTIFICATION=)	CE; fire door up to T90
	Knob versions (VERSION=)	Fix or demountable knob versions with or without RFID-Reader
	Knob dimensions	42 x 36.4 mm (L x Ø)
	Knob surface	Rubber black
	Cylinder finish (FINISH=)	Brass cylinder with standard finish satin nickel-plated (NP)
	Length A	Basic length 30 mm, extendable in 5 mm increments up to 60mm
	Fixing screw (SCREW LENGTH=)	60 or 85 mm
	Battery	1x Lithium CR2
	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 cylinder 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 50°C
	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