

C100 Knob Cylinder

Designed to fit the standard Lockwood oval 570 series cylinder, the C100 provides a unique & cost effective migration to an online electronic access control door.

The external housing contains a sophisticated battery powered proximity reader that communicates wirelessly to a hub. The hub is then wired directly to the access control system and enables standard online access control features at significantly reduced costs than that of a hard wired door.

Key Features

- Communication from hub via RS485 bus to the Online Access Control System (addressable) - access decision in the EAC system
- Main electronics (RFID + radio) in the outside knob - secure electronics inside cylinder core
- Freely rotating lock cam
- Override Credentials: Up to 10 override credentials can be stored for an emergency access in case of failure or no communication with the access control or the hub
- Smart Credential Handling: In addition to the override credentials, the last valid credentials (up to 1000) can be cached automatically and for a limited time (up to 30 days), so that an opening can still be made without the intervention of the administrator
- LED for status visualisation (red/green/orange)
- Works with an online system or as an offline lock
- Supports the following RFID technologies: MIFARE Classic®, MIFARE Ultralight®, MIFARE® DESFire®, MIFARE Plus®, MIFARE® SE, MIFARE® DESFire® SE; iCLASS SE; iCLASS Seos®, iCLASS Seos Elite



MIFARE™
CLASSIC / PLUS

MIFARE™
CLASSIC / DESFire™

Scope of delivery

- 1 single knob cylinder with battery (Lithium CR2) and installation instructions
- Screws and fixing material
- Battery change tool
- X7 Cam fitted, A Cam supplied

C100 Technical Information

Battery type	1 x Lithium CR2
Battery lifetime	<30,000 cycles (max 2 years)
Radio standard	IEEE 802.15.4 (2.4GHz)
Encryption	AES 128 Bit
Wireless range: Cylinder to Hub	5-25m depending on location of hub & environment
RFID technology**	MIFARE Classic®, MIFARE Ultralight®, MIFARE® DESFire®, MIFARE Plus®, MIFARE® SE, MIFARE® DESFire® SE; iCLASS SE; iCLASS Seos®, iCLASS Seos Elite
RFID reading	UID / Sector / Block / Application / File
Card reading range	< 4cm
Operating temperature	-20° to +55°C
IP-degree	IP 65
Knob colour	Black / Satin Chrome
Cylinder colour	Satin Chrome
Cylinder format	Lockwood Australian oval 570 series
Door thickness	Suits standard doors up to 50mm
Approvals	CE and RCM
Status	LED (red/green/orange)

Ordering Information

Product Description	Part Number
Aperio C100 Cylinder SC V3	C103HFASS

