# sensor
### ACCESS TECHNOLOGY

# C100
## Wireless Cylinder Lock

The C100 wireless cylinder lock provides a simple solution combining the door locking hardware with the RFID reader. The reader communicates wirelessly to a hub either in the wall or ceiling. The hub is wired to a reader terminal on the IC controller.

## Key Features

- Main electronics (RFID & Radio) in the outside knob
- Secure electronics inside cylinder core
- Freely Rotating Lock Cam
- LED for status visualisation
- Many types of reading technologies, SensorProxSF, Mifare & SensorProx
- Possibility to store up to 10 emergency cards.
- Compatible with all DIN mortice locks
- Suitable for locks on glass doors

**Ideal for Retrofit applications.** The C100 wireless cylinder lock is compatible with all DIN mortice locks making it perfect for retrofit applications.

### LED for status visualisation
When the card is passed the reader surround will illuminate green for access granted or red for access denied

### Simple Installation - Less Wiring
Traditional access control systems require a reader, break glass unit, exit button and maglock to be wired back to the access controller.
With the C100 all that needs to be wired back to the access controller is the wireless hub.
This saves a lot of time and expense running wires.
Also no power supply is required for the lock

### Reading technologies
The C100 is available in many types of reading technologies. This makes it perfect to add additional doors onto an existing systems.

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## Technical Specification

### Reader Specification

| | |
|---|---|
| LED | Red, Green, Orange |
| Weatherproof | IP 55 |
| Reading Technology | SensorProxSF, Mifare, SensorProx |
| Read Range | up to 4cm |
| Frequency | 125 KHz or 13.56 MHz |
| Function | Read Only |
| Interface | Wiegand |

### Physical

| | |
|---|---|
| Dimensions (reader knob) | Ø33mm x 43mm |
| Dimensions (lock) | Custom to fit door |
| Case Material | Plastic |
| Case Colour | Black |

### Environmental

| | |
|---|---|
| Operating Temperatures | 0°c to +50°c |

### Electrical

| | |
|---|---|
| Battery | 1 x Lithium CR2 |
| Battery Life | > 40,000 cycles (for max 3 years) |

## Typical Applications

- Education facilities
- Hotel Systems
- Low Traffic Doors

WS

IC500IP E2

### 1 to 1 Standard Communication Hub

Aprox 5m

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## ℹ️ Part Numbers

| Lock Type | Reader Format | Communication | Lock Type | Screw Length (note 1) | Length A (note 2) | Length B (note 2) |
|---|---|---|---|---|---|---|
| C100 - Cylinder | SensorProxSF = SF<br>Mifare = M<br>SensorProx = P | W = Wiegand | S = Single<br>D = Double | 60mm<br>85mm | 30mm<br>35mm<br>40mm | 30mm<br>35mm<br>40mm |

| EXAMPLE PART NUMBER : | C100 - SF W D - 85 30 30 | | | | | |
|---|---|---|---|---|---|---|
| C100 - Cylinder | SensorProxSF = SF | W = Wiegand | D = Double | 85mm | 30mm | 30mm |



**Single Cylinder**
Outside - Reader

**Double Cylinder**
Outside - Reader
Inside - Manual turn

## Note 2
### Cylinder Length



The reader knob is always located on side A.
The length of the cylinder is calculated by
Establishing dimensions A and B
A = external side of door leaf
B = internal side of door leaf
Lengths available:
30mm, 35mm, 40mm
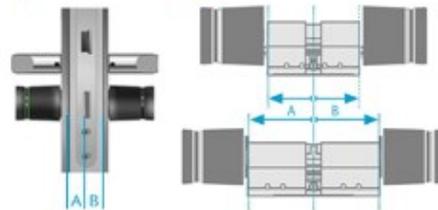Others available by special request

## Note 1
### Fixing Screw Length



Double and single knob cylinders are available
In different fixing screw lengths depending on the
door/mortice. 60mm & 85mm available



Note 1
Fixing screw lengths

Note 2
Cylinder Lengths