Proximity Knob Cylinder

FUNCTIONALITY

TESA proximity knob cylinders are elements of easy and intuitive use, effective and easy to install, perfects for new construction or replacement. The characteristics of the proximity electronic cylinder are:

-Unlocking of the door using a proximity credential.

-Autonomous operation, installation without wiring. It uses standard battery.

-When the electronic cylinder is in close mode, the external knob turns freely, avoiding the need to force it.

-Narrow design: allows the installation in all kind of doors and existing mortise locks with European profile cylinder.

-Compatible with NFC (Near Field Communication) mobile phones.

READING AND WRITING MODE (R/W)

-It allows canceling staff cards without using the portable programmer or inserting a new staff card..

-It allows collecting all the events from the lock's audit trail using only the staff card, controlling the employees' activities as: access attempts out of the shift, etc.

-It allows controlling the battery level without testing the electronic cylinder with the portable programmer.

-It allows including new staff in the locking plan without reprogramming the cylinder.

-Extension of guest stays and grants modifications.

WIRELESS

The proximity knob cylinders work like on-line RFID wired devices, but with an standard battery totally. The cylinders and the software communicate in real time, collecting right away all the information stored in his memory:

-Staff's access events.
-Attempts of openings from non authorized users.
-Attempts of openings outside the shifts, guest's accesses to hotel commodities.
-Remote report of cylinders with low battery level.

Updating in the moment any change made in the software's database:

-Giving / Denying access to users and guests.
-Guest stay extension.
-Remote opening of the door from the software.
-Remote activation of pass mode.
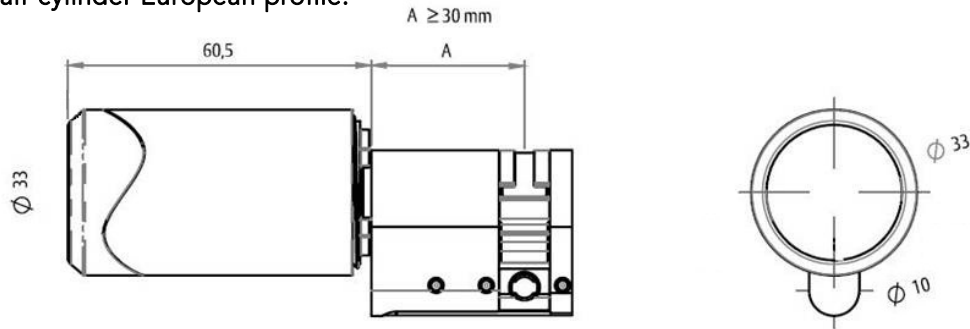-Block/unblock of the doors.
-Time setting.

ADAPTABILITY

The proximity knob cylinder can be installed in most market doors. The perfect solution for UPGRADING operations where the customer want to keep part of the previous lock.
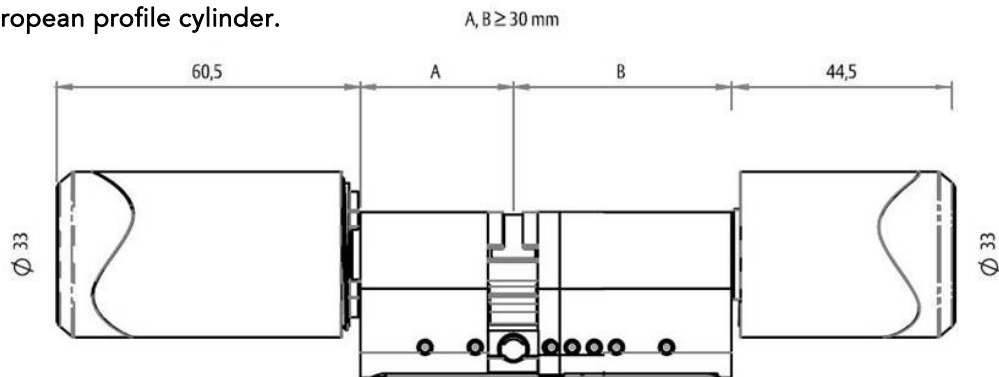
CREDENTIALS

The proximity identification tag can be a card, keyring, bracelet, etc...

DIMENSIONS

Half-cylinder European profile.

A ≥ 30 mm

60,5 · A

Ø 33 · Ø 33 · Ø 10

European profile cylinder.

A, B ≥ 30 mm

60,5 · A · B · 44,5

Ø 33 · Ø 33

TECHNICAL FEATURES

READING MODULE:

· Identification technology RFID 13,56MHz Read and Write contactless chip, MIFARE CLASSIC 1K y 4K and ULTRALIGHT.

· Activation mode: the cylinder is activated without previous contact. Low power consumption.

· Reading distance: 10 mm with standard credentials.

· The jack connecting to the Portable Programmer is in the reading unit.

· Warning LED red and green. Different warnings: authorized or denied access, low battery level, etc.

CONTROL MODULE:

. Non volatile memory.

· It can be programmed to operate in three modes:
  - Normal mode: 1500 users and 600 events.
  - Extended mode: 1000 users and 1000 events.
  - High traffic door: unlimited number of users filtering in 48 groups (permissions). Stores 1.000 events.

. Clock and calendar in real time: 14 time zones with 5 periods of time each.

BATTERY MODULE:

. Types of batteries: 1 unit CR123A lithium.

. Autonomy: 40.000 operations or 2 years.

. Batteries easily changed without having to dismount the cylinder.

LOCK MECHANISM:

. The motorized clutch activates the spindle part of the external knob.

. Disengaged lock: The knob spin loose.

.Engaged lock: the knob spins on the spindle retracts the latch bolt of the mortise lock.

MORTISE LOCK:

.Compatible with a huge variety of standard mortise lock allowing cylinder installation (Euro, Scandinavian, Finish and ANSI models available).

.Panic function: Turning the knob from inside, the door always opens.

MODELS AND DIMENSIONS:

. Electronic proximity cylinder with internal knob (measures for different door profiles, Max. 120x120).

. Half cylinder.

OPERATION CONDITION:

. Humidity: Up to 85% without condensation.

. Temperature: the external part between -10°C and 70°C; the internal part between 0°C and 50°C.

. Fire resistance certificated: 30', 60' y 90' UNEEN 1634:2000.

. IP55 (extreme model) / IP52 (standard model).