Electronic Cylinder

The solution includes the following products:

- Electronic Cylinder
- Accessories

Specification:

ISEO Libra Smart or similar electronic cylinder multistandard RFID reader at 13,56 MHz ISO 14443 A/B compatible with MIFARE Classic, MIFARE Plus and MIFARE DesFire must be battery operated model ER17335M 3.6V 2/3 AA size with system for Wake up by RFID card or Phone to optimize power consumption with battery replacement from outside even when the door is closed. The cylinder can be easily installed both on new and existing doors. It is compatible with any mechanical lock with European cylinder hole and the installation must not require any wiring, allowing a rapid and easy replacement of any mechanical cylinder. The Electronic Cylinder can be open by cards, tags and smartphones. The APP available for iOS and Android must allow to add new opening devices like cards, tags or phones, retrieve events logs, delete lost/stolen credentials, send authorizations remotely and update the cylinder to new software features. The Heavy Duty version must combine high resistance against the harshest weather conditions and has to be equipped with anti-drill protections in the cylinder body and anti-break protections cin compliance with the highest level of international classification up to IP69 grading. The electronic cylinder must be an electronic European profile cylinder easily rekeyed with a Bluetooth Smart Ready phone and with Real Time Clock/Calendar. The signals must be visual red and green on 360 ring with acoustic buzzer. The metal part finishes can be Inox, Polished Inox, Satin Brass or Polished brass and the plastic colors can be Glossy black, Glossy white with special colors and logo print on request. The mechanical lockcase compatibility must be Europrofile cylinder hole (EN 1303, DIN 18252) and the electronic knob dimensions must be external diameter from 36 mm to 39 mm and Length 46 mm. the mechanical knob standard can be external diameter 30 mm and Length 31 mm and the mechanical knob "Premium" external diameter from 36 mm to 39 mm and Length 46 mm. The cylinder must guarantee rapid installation without any drilling and wiring both on new and existing doors with European profile mechanical cylinders. The battery operated with connectivity to Bluetooth Smart Ready devices without any plugin to be installed neither on the electronic cylinder nor on the smartphone. The cylinder can be open by RFID cards and Bluetooth Smart Ready phones iOS and Android and must operate with Iseo cards or Legacy Mifare cards with the possibility to memorize up to 300 users with cards or phones. Lost or stolen keys must be quickly deleted and the cylinder must store the last 1000 events. The battery life must guarantee up to 50000 openings with battery low warning signal, allows passage mode (office mode) without extra battery consumption, connects via Bluetooth Smart to a Bluetooth Smart Ready phone, remote opening and communication with Bluetooth Smart Ready

phone up to 10 meters, software upgrades on site via the Bluetooth Smart Ready phone. The cylinder double knob version must have dimensions minimum 30-30 steps 5 mm and maximum total length 140 mm. The cylinder single knob version dimensions must have minimum 30-10 steps 5 mm and maximum 90 mm. The operating temperature must be -20 °C to + 70 °C and the storage temperature -25 °C to + 75 °C. The Protection System (IP Grading) must be IP54 standard version and up to IP69 for Heavy Duty version. The cylinder can have electronic knob outside (freely rotating) and mechanical knob inside, electronic knob outside (freely rotating) and inside (freely rotating), half cylinder with electronic knob outside (freely rotating), version for panic lock with freely rotating with cam returning in vertical position, version compatible with Defender, internal usage version or all weather outdoor usage version Heavy Duty. The cylinder must guarantee no additional software to install, except the Argo APP and must work even if Internet connection is off as the App has to connect directly to the doorlock with the latest encryption protocols ensuring the highest security in data transfers. The Users can open doors with smartphone, with smartphone protected with pin code, with smartphone from remote up to 10 meters and still with cards or tags and they can temporarily block the standard users allowing access only to VIP users, set the door in passage mode (office mode), get early notification of low battery or availability of new software upgrades for the Libra Smart. Administrators manage access authorizations to doors adding new users (cards, tags or smartphones), removing users, transferring user lists to other doors and in addition they can read door events and track users passages, read Libra Smart status, add new features with simple software (Firmware).