

OTS₂₀ BATTERYLESS

PRODUCT DATASHEET

1. MAIN FEATURES

Description

OTS 20 Batteryless system is an RFID electronic locking system principally used on fitness and wellness facilities, offices and universities.

This technology consists in interaction between a transmitter (key) and a receiver (lock). This system replaces the traditional mechanical key and cylinder.

Our locks meet all anchorage and measurement standards and, therefore, can replace old lock systems without having to modify cabinets or lockers.



Configuration

- Fully configurable by end customer.
- Access permission assignment via software.
- 3rd party SW integration via SDK.

Compatibility

- Metal Doors.
- End customer wearables.

Maintenance

- No battery required.
- FW update via NFC.
- Power supply to update FW on the back side of the lock.

Security

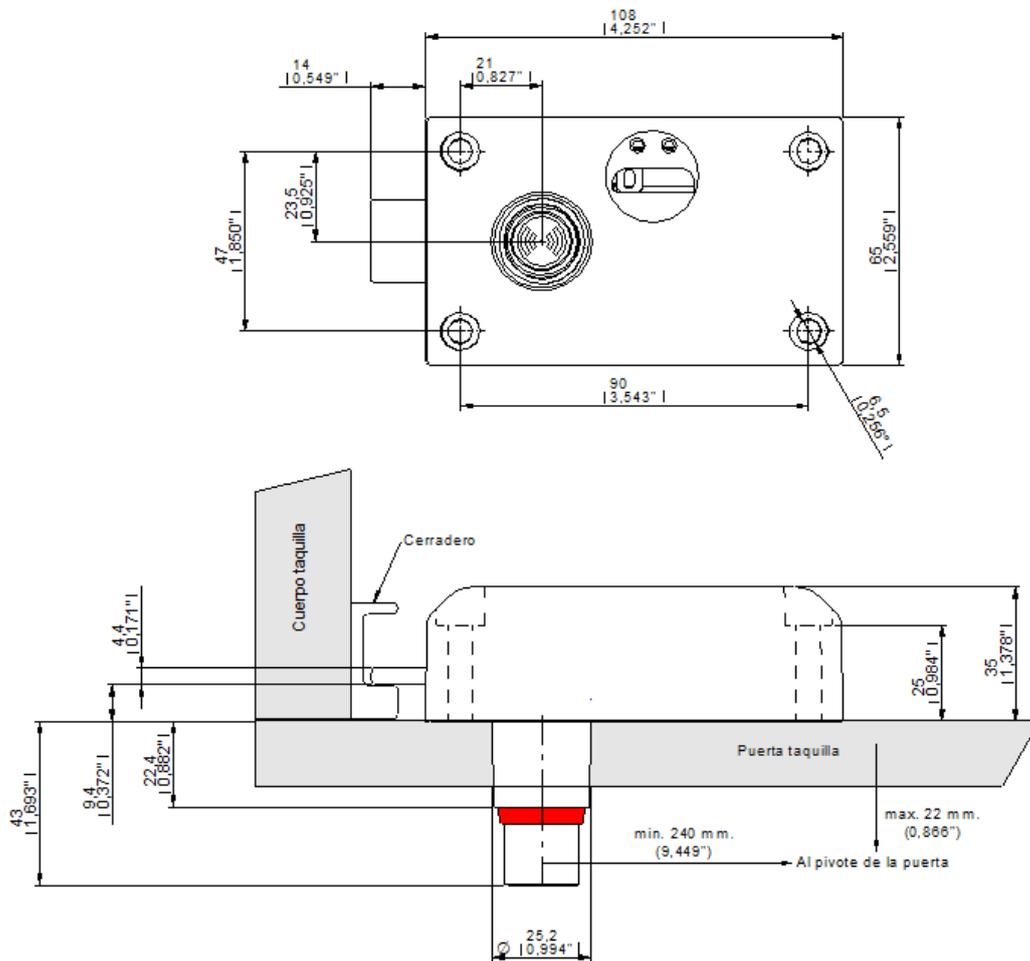
- Encrypted communications.
- Vandalism-proof: Electronic components and mechanical locking system are covered inside the lock.

2. TECHNICAL SPECIFICATIONS

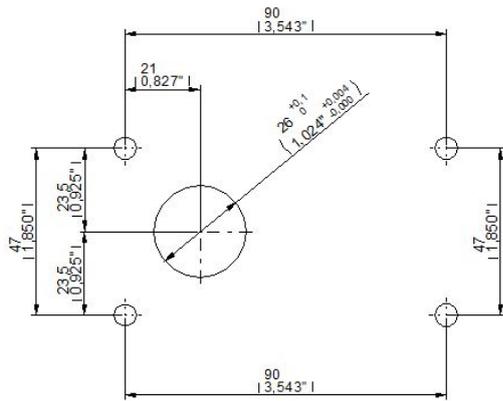
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|-----------------------------------|--|---|
| AUTHENTICATION MODES | Authentication mode | RFID |
| | Supported technologies | MIFARE® (DESFire EV1 & EV2, Classic1K/4K 4B and 7B UID – ISO/IEC 14443) |
| | Reading | UID / Sector / Application / File / Page |
| | Wearables | RFID cards, wristbands, FOBs, Technogym key, Stickers & Transponders |
| | Reading range | Up to 2 cm (pressing the knob) |
| USAGE MODES | Free mode | Up to 3 locks simultaneously with just one wearable |
| | Dedicated mode with autocancellation | Up to 6 locks simultaneously with just one wearable (Only one wearable per dedicated lock) |
| | Dedicated mode without autocancellation | Up to 6 locks simultaneously with just one wearable (multiple wearables per dedicated lock) |
| | Multifunction mode | Up to 3 free and 3 dedicated locks simultaneously with just one wearable |
| USER INTERFACES | Lock status | Indication of locked and unlocked position |
| COMMUNICATION INTERFACES | Communication standard | NFC |
| | Encryption mode | AES 256 |
| | Reading field range | Up to 2 cm (pressing the knob) |
| | Number of maximum connections | 1 |
| POWER SUPPLY | No battery required | Generates its own energy when using the lock |
| | Environment | Eco-friendly as batteries are not required |
| MECHANICAL CHARACTERISTICS | Dimensions | 108 mm x 65 mm x 35 mm |
| | Weight | 233 gr |
| | Housing | Black PANTONE 426 C |
| | Closing resistance | DIN EN 16014:2011-10 |
| | Maximum tightening torque | 300 cN/m |
| | Cycles | 60.000 cycles |

| | | |
|--------------------------------|-----------------------------|--|
| ENVIROMENTAL CONDITIONS | Storage temperature | -15°C to 60°C |
| | Function temperature | 0°C to 42°C (interiors) |
| | Humidity | UNE-EN ISO 16750-4 / UNE-EN 60068-2-38 RH 96% |
| | Protection type | <ul style="list-style-type: none"> • IP52 according to DIN EN 60529 • IK09 according to DIN EN 62262 |

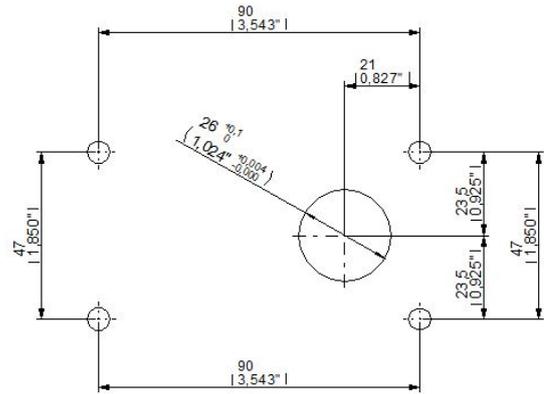
3. ASSEMBLY



Measurements in mm. (Inches)



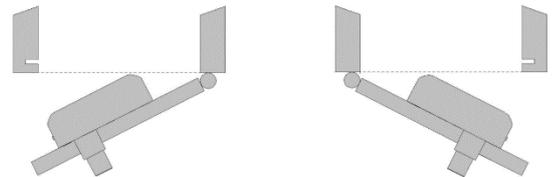
Right hand



Left hand

4. OTHER DATA

| | |
|-----------------------|---|
| | <ul style="list-style-type: none"> • Phenolic • Glass |
| Door Material | <ul style="list-style-type: none"> • Metal (Booster needed) • HPL • Melamine |
| Door Thickness | <20mm |
| Availability | Right. / Left. Handed |



5. OPTIONAL ACCESSORIES

- NFC Programmer.
- PC Software.
- SW Cloud.
- Desktop reader.
- Infoterminal.
- SDK for integrators.
- Power supply.