

OTS40 Batteryless

PRODUCT DATASHEET

1. MAIN FEATURES

Description

OTS40 Batteryless is an RFID + NFC smart lock for personal storage. Thanks to our patented “Push-Power” technology, it works without batteries and/or wires. It is ideal for facilities that require flexibility and real-time information without any maintenance, in order to optimise space management, whether in offices, sports, leisure, schools or healthcare facilities.

The Ojmar cloud software enables remote management of locks, providing status updates and full configuration for easier daily administration.

In the event of a network failure, the lock functions in offline mode, enabling standalone operation. When the connection is reestablished, the lock will resume communication with the server automatically.



Configuration

- Fully configurable by the Facility Manager.
- Automatic connection of the locks to Ojmar’s cloud software.
- Integration with third-party software via SDK.

Compatibility

- Metal furniture.
- End customer credentials.
- Facility credentials

Maintenance

- No batteries, no wires required.
- Configurable usage reports.
- Offline mode in case of gateway failure.
- FW update via NFC.
- Power supply point to update FW on the back side of the lock.

Security

- Encrypted communications.
- Robust construction: All components are protected inside the housing.

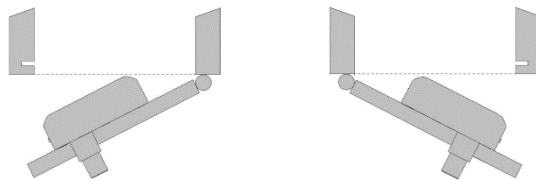
2. TECHNICAL SPECIFICATIONS

TECHNOLOGIES	Authentication mode	RFID
	RFID standards	MIFARE®(DESFire EV1 &EV2, Ultralight, Ultralight C, Classic1K/4K 4B and 7B UID – ISO/IEC 14443)
	Reading	UID / Sector / Application / File / Page
	Wearables	RFID cards, wristbands, FOBs, Technogym key, Stickers & Transponders
USAGE MODES	Free mode	Up to 3 locks simultaneously with just one credential
	Dedicated mode with auto cancellation	Up to 6 locks simultaneously with just one credential (Only one credential per dedicated lock).
	Dedicated mode without auto cancellation	Up to 6 locks simultaneously with just one credential (multiple credentials per dedicated lock).
	Multifunction mode	Up to 3 free and 3 dedicated locks simultaneously with just one credential
USER INTERFACES	Lock status	Mechanical indicator of locked and unlocked position. Real-time lock status via software and Infoterminal
	Alarms	High occupancy in the facility (configurable in software).
COMMUNICATION INTERFACES	Communication standard	NFC, Wireless 2.4GHz proprietary stack.
	Encryption mode	AES 256
	Reading field range (wireless)	Up to 20 m (depending on the layout)
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
	Closing resistance	DIN EN 16014:2011-10
	Housing	Black PANTONE 426 C
	Maximum tightening torque	200cN.m
	Cycles	60.000 cycles.
ENVIRONMENTAL 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	IP52 according to DIN EN 60529 IK09 according to DIN EN 62262

3. OTHER DATA

Furniture Material	<ul style="list-style-type: none">• Phenolic• Glass• Metal*• HPL• Melamine
Furniture Thickness	<20mm
Availability	Right. / Left. Handed

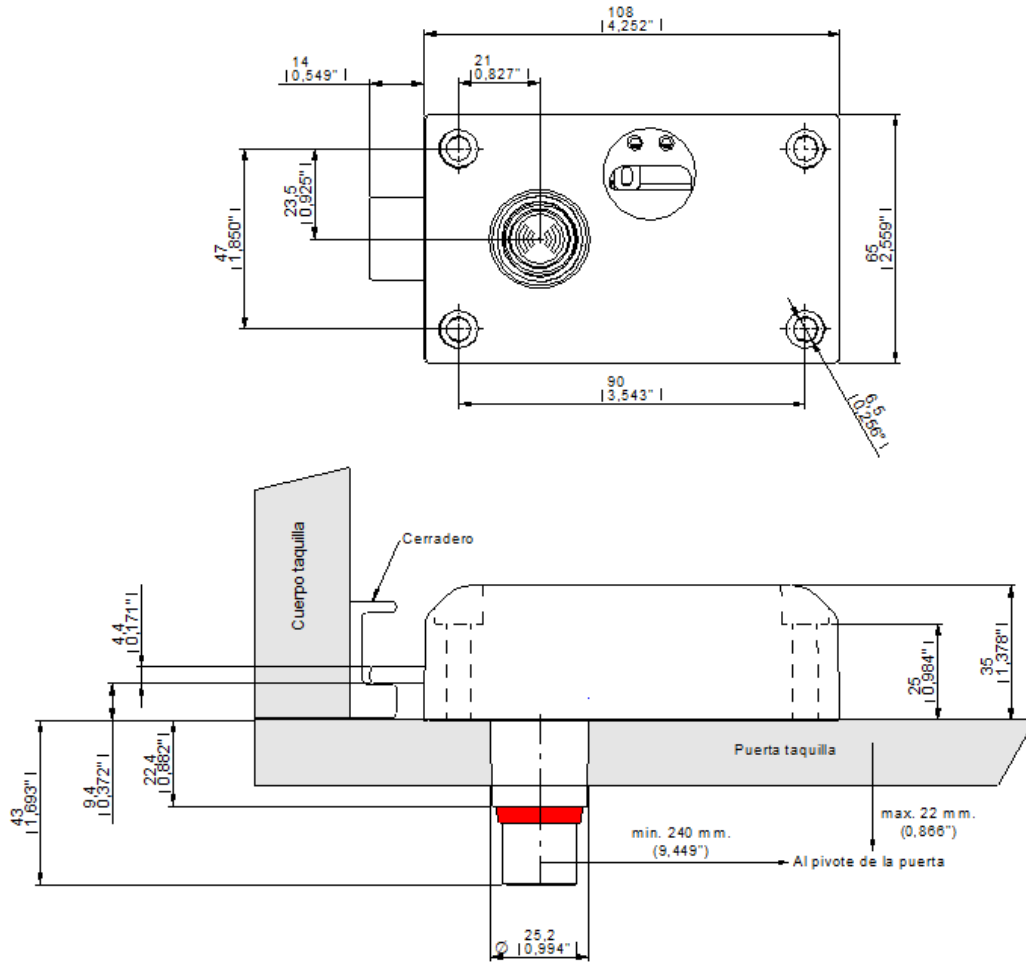
*In case of metal lockers, please contact Ojmar
(Boosters will be needed)



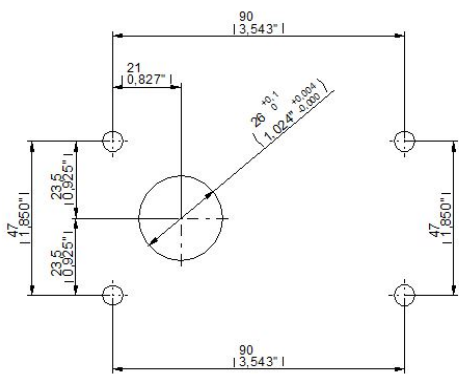
4. OPTIONAL ACCESSORIES

- Ojmar Software Cloud.
- Infoterminal.
- SDK for integrators.
- Power supply.
- Tablet Programmer

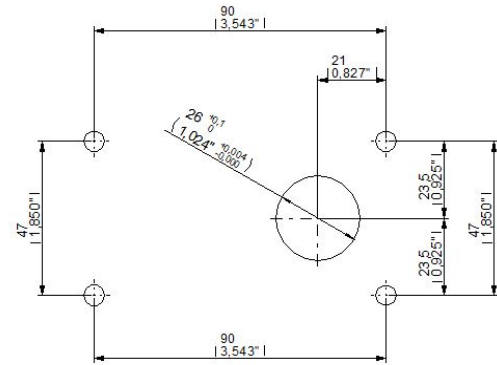
5. ASSEMBLY



Measurements in mm. (Inches)



Right hand



Left hand