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.**

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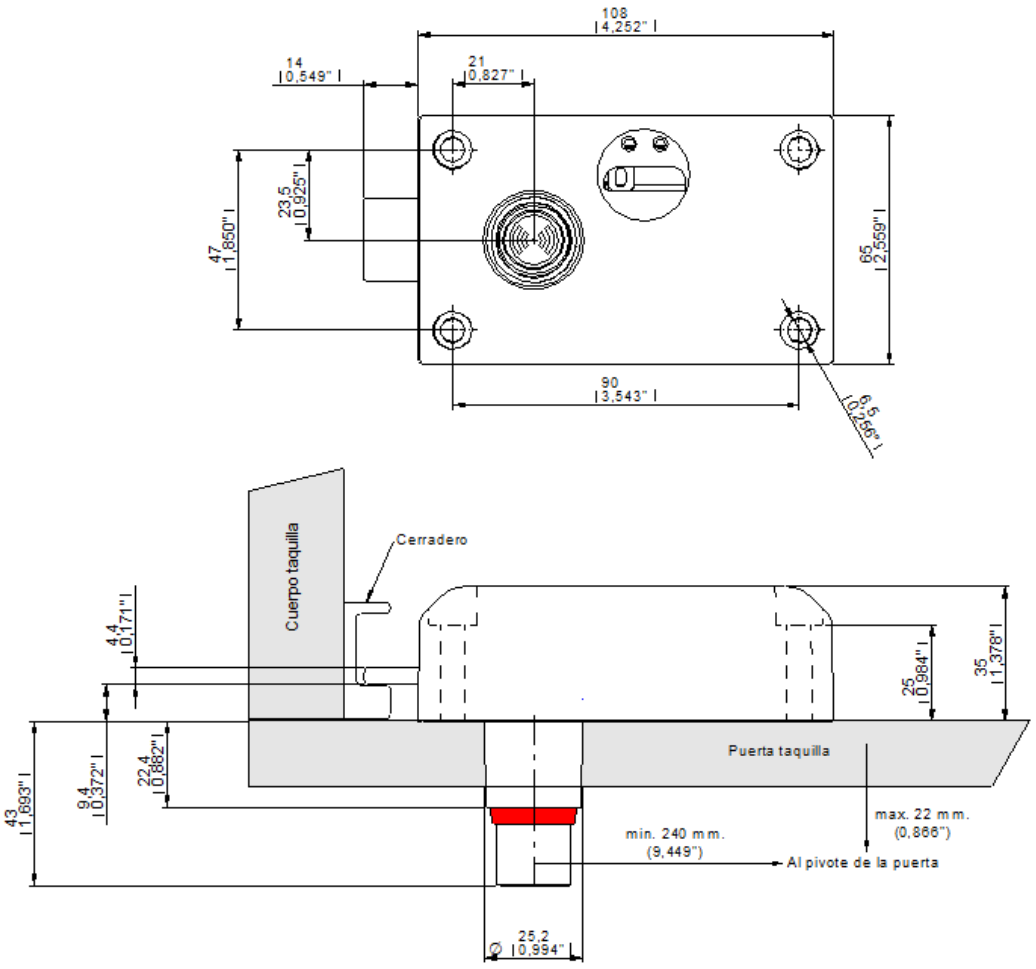
2. TECHNICAL SPECIFICATIONS

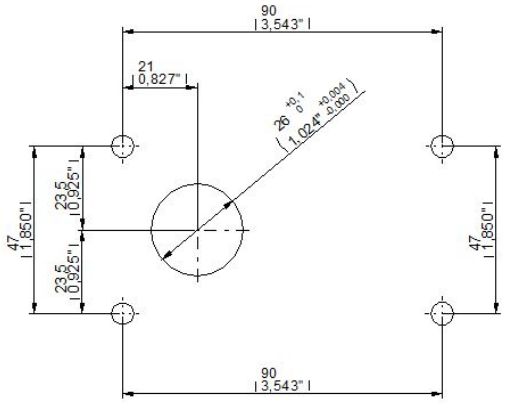
AUTHENTICATION MODES	Authentication mode	RFID
	Supported technologies	MIFARE® (DESFire EV1 & EV2, Ultralight, Ultralight C, Classic1K/4K 4B and 7B UID – ISO/IEC 14443)
	Reading	UID / Sector / Application / File / Page
	Credentials	RFID cards, wristbands, FOBs, Technogym key, Stickers & Transponders
	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
	Enviroment	Eco-friendly as batteries are not required
MECHANICAL CHARACTERISTICS	Dimensions	108 mm x 65 mm x 35 mm
	Weight	223 gr
	Housing	Black PANTONE 426 C
	Closing resistance	DIN 4547-2 Class C
	Maximum tightening torque	300 cN/m

ENVIROMENTAL CONDITIONS	**Storage temperature**	**-15ºC to 60ºC**
	Function temperature	**0ºC to 42ºC (interiors)**
	Humidity	**UNE-EN ISO 16750-4 / UNE-EN 60068-2-38** **RH 96%**
	Protection type	• **IP55 according to DIN EN 60529** • **IK09 according to DIN EN 62262**
ORDER CODE	**OTS 20 Batteryless**	R-EA-EEL-OTS20

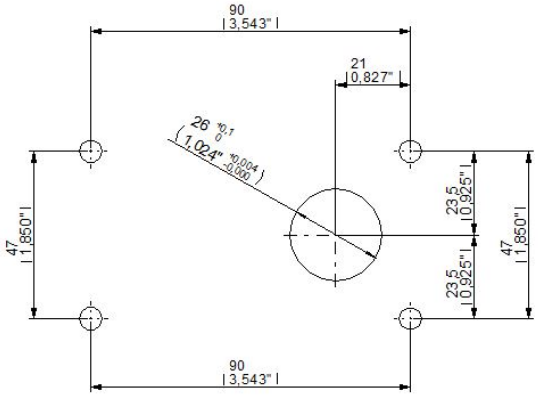
3. ASSEMBLY



Measurements in mm. (Inches)



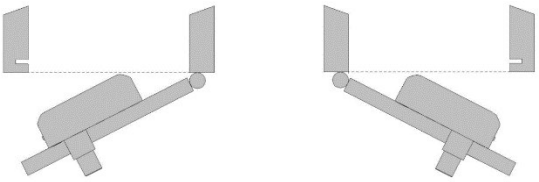
Right hand



Left hand

4. OTHER DATA

Door Material	• **Phenolic** • **Glass** • **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.**