

Touch Manager

Installation Instructions



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Important notes!

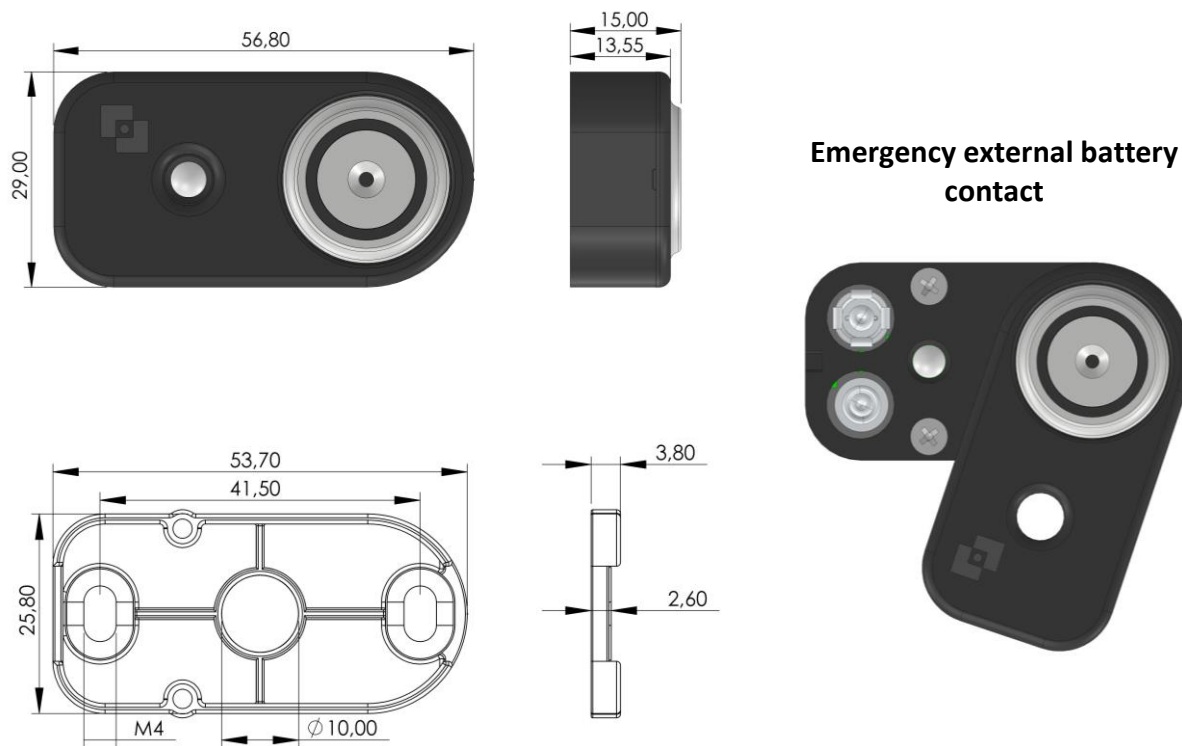
- The following procedure must be undertaken by a qualified competent. For any concerns about the safety of this product, please write to us on: [Contact Us - Tecnosicurezza](#)
- Before installing this product, please read carefully the installation and operating instructions.
- Locks can be installed in all traditional safes.
- Locks have to be mounted on secure storage metal (preferred steel) units only.
- Although locks can be mounted behind the passage hole for the connection cable or the spindle, it is instead recommended to install them on the door, but away from any through holes, in order to protect the locks themselves against external attacks.
- Any electronic part must be properly protected and not easily accessible even when the door is open.
- Locks have been developed to work correctly in a temperature range from -5 ° C to + 50 ° C and in an environment with non-condensing humidity between 25% and 90%.
- The mounting dimensions are standard (magic module).
- For Dallas reader and lock installation, use only the screws provided by Tecnosicurezza. Any other screw must be approved in advance.
- Locks are supplied with metric (M6) mounting screws. Upon request, Imperial 1/4-20 UNC format mounting screws are available.
- The type of material and the length of the screws must, in any case, be selected so as to guarantee long life and reliability.
- Tighten the screws so that the lock is firmly fixed to the mounting surface (recommended torque between 2,5 and 4 Nm).
- The mounting surface must be perfectly flat.
- In order to prevent the screws from loosening, it is recommended the use of LOCTITE® threadlocker and/or specific washers positioned under the head of the fixing screw.
- The diameter of the passage hole for the connection cable or the spindle must not exceed 11 mm.
- The hole must be completely cleaned of drill dust and sharp edges.

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- Do not lubricate locks.
- In the locked position, the distance between the bolt and the boltwork part which moves the lock bolt must comply with the following specifications for each type of lock.
- Any component to be fixed to the lock bolt must be previously approved by Tecnosicurezza before installation. In any case, the maximum load must not exceed 4 N for T4001/M and 30 N for the reinforced model T4001/MP.
- Secure the cables away from moving parts by using cable ties and cable ties bases.
- If placed in normal domestic or office environments, the locks do not require particular maintenance; in any case, after 10,000 opening/closing cycles, it is recommended to run a test that verifies the correct and complete operation of the product.
- Use only DURACELL™ 9 Volt Alkaline batteries, or battery holders with DURACELL™ 1.5 Volt Alkaline batteries. Alternatively, it is also possible to use a stabilized power supply from 12 to 24 V and 1A, with relative power supply interface (p.n. T6006).
- **IMPORTANT:** if a power adapter is used, it must be compliant with national product directives and provided with short circuit protection.
- A series of acoustic signals during opening indicate a low battery level. In this case, the battery must be replaced.
- Do not use cleaning agents with chemical, abrasive or alcohol-containing additives to clean the components. Use only a damp cloth.
- Do not spray liquid directly onto the components.

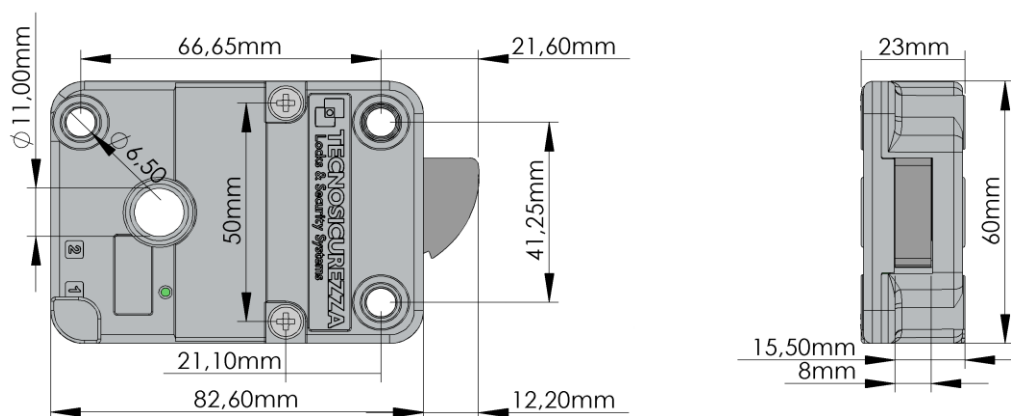
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Dallas reader dimensions



SwingBolt lock dimensions

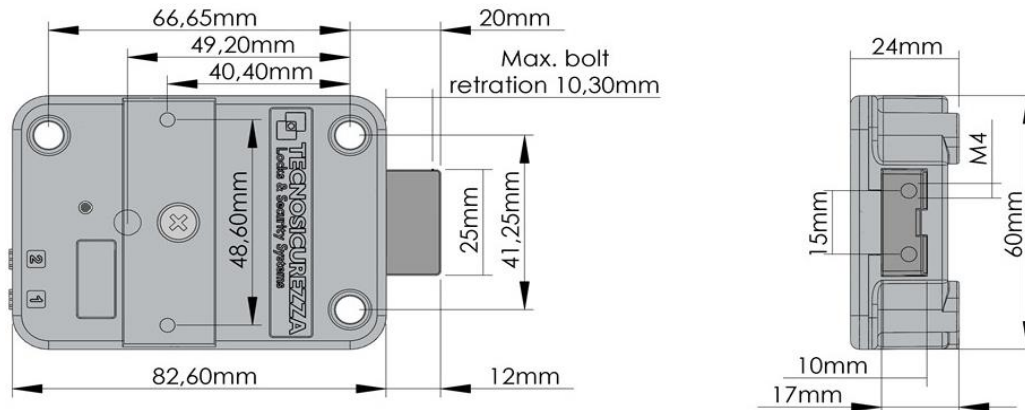
T4001



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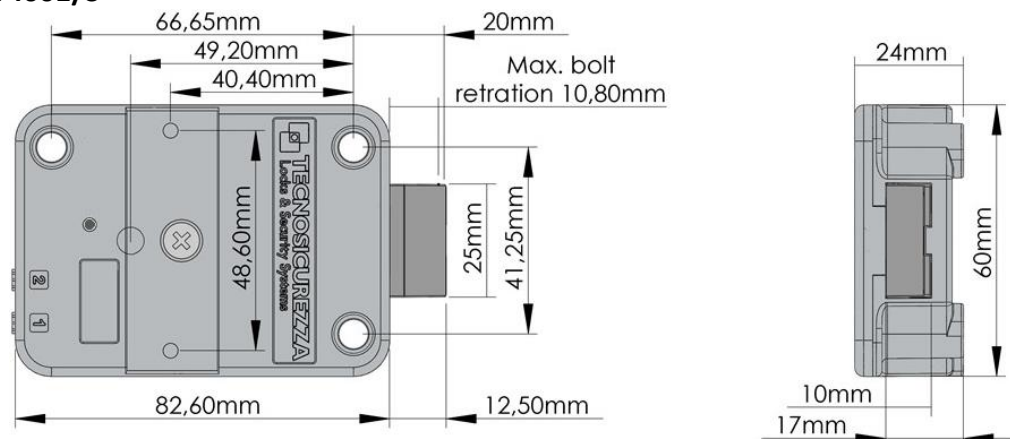
DeadBolt lock dimensions

T4001/D



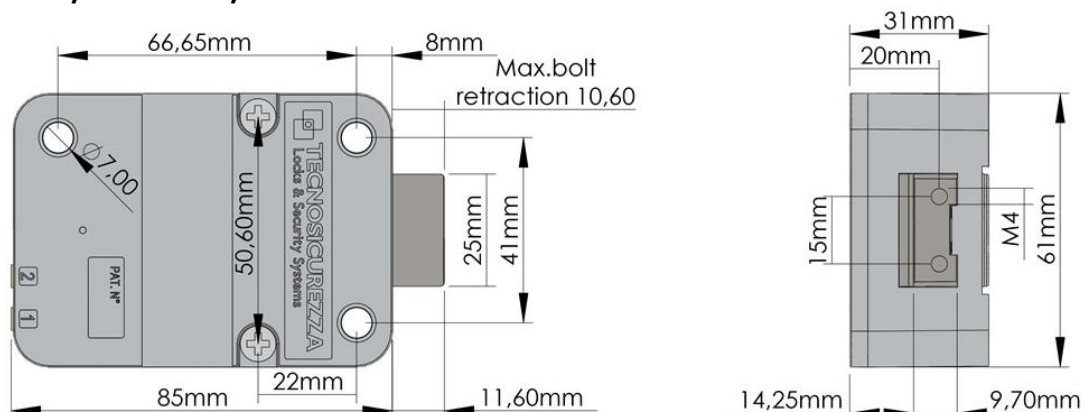
LatchBolt lock dimensions

T4001/S



MotorLock lock dimensions

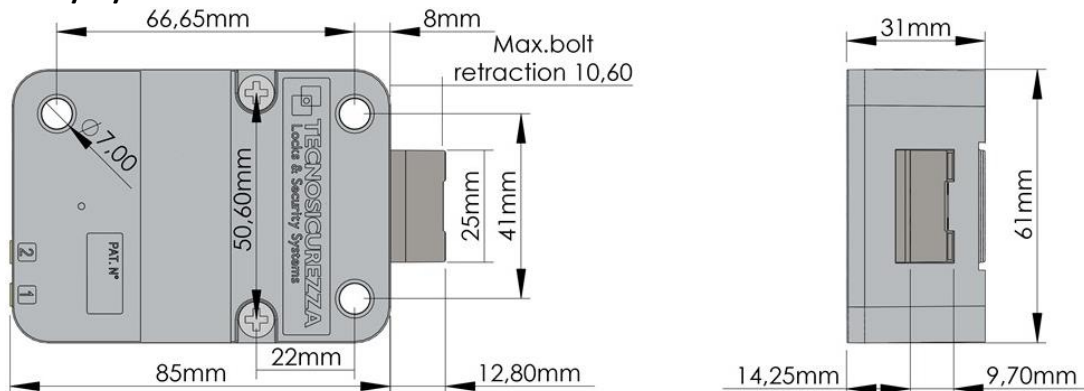
T4001/M & T4001/MP



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Motor LatchBolt lock dimensions

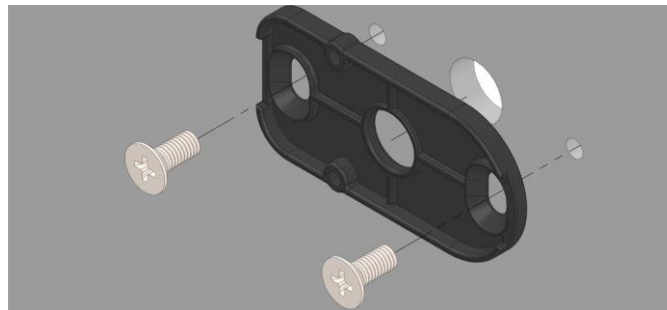
T4001/M/S



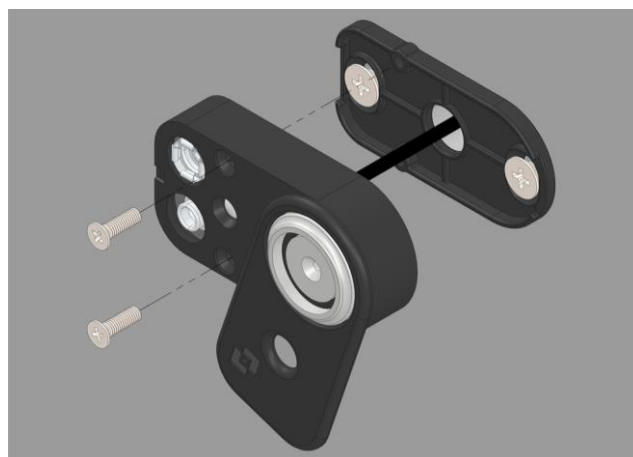
Dallas reader installation instructions

The Dallas reader is provided with two M4 countersunk screws (Imperial screws 8-32 UNC are available on request) and two M3 screws. Prepare the mounting holes on the safe door.

Remove backplate from the Dallas reader and affix it on the safe door using provided M4 screws.

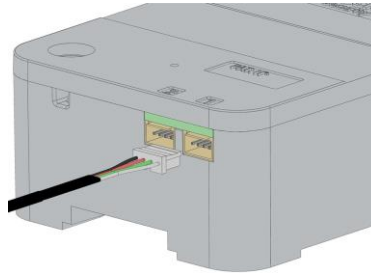


Insert the cable inside the spindle hole, hook Dallas reader to the backplate, rotate the emergency battery protection counterclockwise down and affix the reader to the backplate with provided M3 screws.



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Insert the Dallas reader cable into the lock connector “1” or “ENT” and the power supply interface in the “2” or “BAT” connector.



SwingBolt lock installation instructions

The SwingBolt lock is a swinging bolt lock whose block is carried out by a motor; it can be installed in all 4 directions, even upside down.

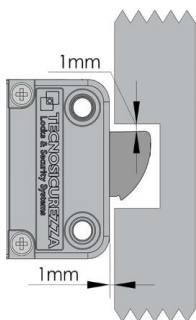
By placing an opening Dallas key, the lock electronic removes the blocking for 3 seconds and the boltwork can be moved into open position by pushing the bolt inside the lock case.

The bolt automatically secures when the safe handle, or the safe door mechanism, is brought to the locked position.

If the SwingBolt lock is used in conjunction with other locks, the safe door mechanism must ensure the closure of the SwingBolt before the other locks.

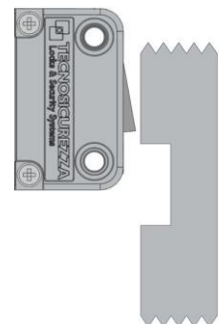
The lock can be mounted in all four mounting directions (RH, LH, VU, VD).

Furthermore, by flipping over the lock, both locking directions can be realized.



In the locked position the distance between the lock's bolt and the lock part that moves the lock bolt should be approximately 1 mm.

The bolt must be able to move freely without force being applied to it.



The maximum load applicable to the bolt must not exceed 1 KN. Contact Tecnosicurezza in case of heavier loads.

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Connect the keypad cable to the lock connector "1/ENT", making sure it is fully inserted and locked.

Any alarm interface or battery holder needs to be connected to the lock connector "2/BAT".
To remove the cable, bring the connector upwards and carefully pull it out.

It's possible to connect a relocker to the lock cover through the appropriate holes.

Fix the relocker plate with M4 self tapping flat head screws.
Length must be 6 mm + plate thickness.
(i.e. 6 mm + 2 mm plate = 8 mm screw)



DeadBolt and LatchBolt locks installation instructions

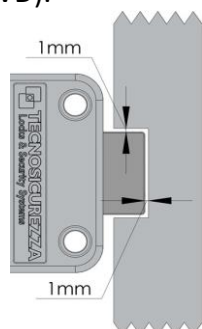
DeadBolt and LatchBolt locks are locks with, respectively, a dead bolt and a spring bolt, whose block is carried out by a motor.

By placing an opening Dallas key, the lock electronic removes the blocking for 3 seconds and the boltwork can be moved into open position by turning the spindle inserted in the lock.

The spindle can be connected to a knob or a handle. When the spindle is brought to the locked position, the bolt comes out ensuring the lock is locked.

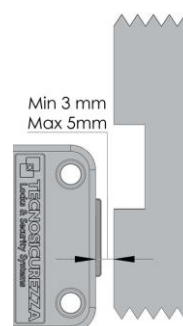
NOTE: use only the spindle provided by Tecnosicurezza. Any other spindle model must be previously approved by Tecnosicurezza before installation.

The DeadBolt and LatchBolt locks can be mounted in all four mounting directions (RH, LH, VU, VD).



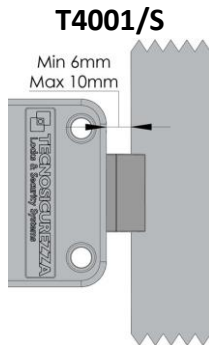
In the locked position, there should be approximately 1 mm clearance between the lock bolt and the cavity in the blocking bar of the boltwork.
The bolt must be able to move freely without force being applied to it.

In open position, there should be a minimum of 3 mm and maximum of 5 mm clearance between the lock bolt and the blocking bar of the boltwork.



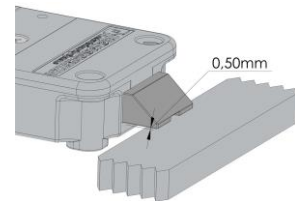
The maximum load applicable to the bolt must not exceed 1 KN. Contact Tecnosicurezza in case of heavier loads.

The LatchBolt lock is specially designed to ensure self locking when the door closes.



The distance between the lock and the locking edge must be between a minimum of 6 mm and a maximum of 10 mm.

When locked, there must be a 0.5 mm gap between lock bolt and locking surface.



Cut the spindle to the correct length (measure door thickness + mounting plate/rotation knob or handle insert + lock spindle insert).

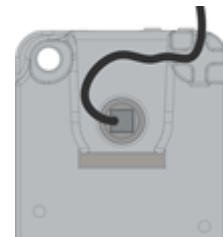
Remove any cutting residues of the spindle that could damage the cable.

T4001/D & T4001/S locks

The spindle needs to be fully inserted inside the lock (7 mm).

Place the cable in the groove of the spindle, making sure it's fully inserted and locked.

Secure the cable inside the special groove located under the lock body, ensuring that it is not stretched when turning the spindle. Fix the lock using the appropriate mounting screws.



Connect the keypad cable to the lock connector "1", making sure it is fully inserted and locked. Any alarm interface or battery holder needs to be connected to the lock connector "2". To remove the cable, bring the connector upwards and carefully pull it out.

It's possible to connect a relocker to the lock cover through the appropriate holes.

Fix the relocker plate with M4 self tapping flat head screws.

Length must be 6mm + plate thickness.

(i.e. 6mm + 2mm plate = 8mm screw)



MotorLock and Motor LatchBolt locks installation instructions

MotorLock and Motor LatchBolt locks are locks with, respectively, a motor driven dead bolt and a motor driven spring bolt, whose block is carried out by a motor.

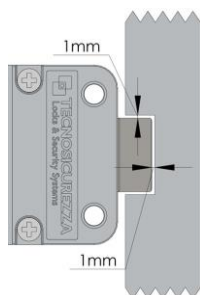
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By placing an opening Dallas key, the motor retracts the bolt which remains in the open position for about 8 seconds and then automatically returns to the locked position.

If the manual relocking option is selected, the bolt closes by palcing again a Dallas key.

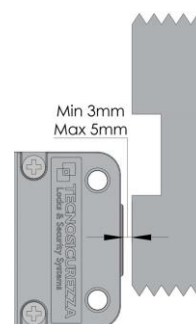
Both lock versions can be mounted in all four mounting directions (RH, LH, VU, VD).

Locks are supplied with metric (M6) mounting screws. Upon request, Imperial 1/4-20 UNC format mounting screws are available.

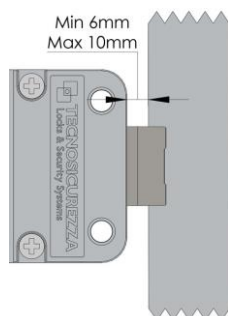


In the locked position, there should be approximately 1 mm clearance between the lock bolt and the cavity in the blocking bar of the boltwork. The bolt must be able to move freely without applying any force on it.

In open position, there should be a minimum of 3 mm and maximum of 5 mm clearance between the lock bolt and the blocking bar of the boltwork.

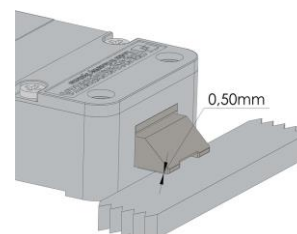


The Motor LatchBolt lock is specially designed to ensure self-locking when the door closes.



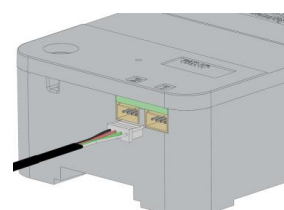
The distance between the LatchBolt lock and the locking edge must be between a minimum of 6 mm and a maximum of 10 mm.

When locked, there must be a 0.5 mm gap between lock bolt and locking surface.



Insert the keypad cable into the lock connector "1", making sure it is fully inserted and locked.

Any alarm interface or battery holder needs to be connected to the lock connector "2". To remove the cable, bring the connector upwards and carefully pull it out.



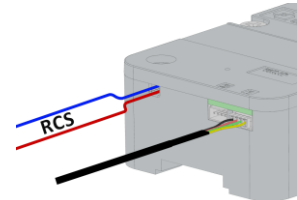
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The Push & Pull version (T4001/MP) is supplied by default with RCS option, where closing is triggered by an external signal (i.e. boltwork switch). This avoids the motor to be activated when boltworks are not expanded yet.

It's recommended to correctly use this signal to avoid motor damages.

Lock is also programmed by default with 8 seconds automatic reclosure, which can be modified upon request. This means that if the lock will open but the external signal don't (i.e. boltworks not expanded), lock will automatically close after 8 seconds (smart reclosure).



The maximum load applicable to the bolt must not exceed the limit values specified in the table below. Contact Tecnosicurezza in case of heavier loads.

Lock reference	Lock version	Maximum force to apply on the bolt	Maximum load pulled up and pushed by the bolt
T4001/M	Pull and spring version – Cass B	1 kN (100 Kg)	4 N (400 gr)
T4001/MP	Push and pull version – Class B	1 kN (100 Kg)	30 N (3 Kg)
T4001/M/S	Latch version	1 kN (100 Kg)	-

It's possible to connect a relocker to the lock cover through the appropriate holes.

Fix the relocker plate with M4 self tapping flat head screws.

Length must be 6mm + plate thickness.

(i.e. 6mm + 2mm plate = 8mm screw)



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Functional test

To be carried out with the door open.

OPENING:

Place an opening Dallas key on the reader. The Dallas reader emits a double beep .

With SwingBolt, MotorLock and Motor LatchBolt locks, turn the safe door handle to the open position.

With DeadBolt and LatchBolt locks, rotate the knob or handle according to the type of installation and move the lock bolt to the open position.

For all types of locks the bolt must be able to move freely.

LOCKING:

With SwingBolt and MotorLock locks, turn the safe door handle to the locked position. Lock bolt must fully extend and ensure locking.

With MotorLock locks with manual relocking, place again an opening Dallas key on the reader.

With DeadBolt locks, turn the knob or handle to the locked position.

With LatchBolt and Motor LatchBolt locks, push the door to close.

For all types of locks, at the end of the operation the bolt must fully extend and ensure locking.

Repeat functional test several times before locking the safe door.

Failure to follow these installation instructions or opening the lock by personnel not authorized by Tecnosicurezza will void the warranty.

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NOTES

[illegible]

**Correct disposal of this product:
(Waste Electrical & Electronic Equipment)**

Applicable in the European Union and other European countries with separate collection systems.



This marking displayed on the product or its literature indicates that it should not be disposed with other wastes at the end of its working life.

To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

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