

Mounting instructions

Motorized blocking system

T4500/M/C



CHARACTERISTICS

The lock T4500 / M / C is a motorized lock that does not require a keypad or other control units, in fact, the opening and closing of the bolt is driven by means of electrical contacts. In order to open the bolt is necessary to close the contact between the black and green wires for a period of one second.

In order to close the bolt it is necessary to close the contact between the black and red wires for a period of one second.

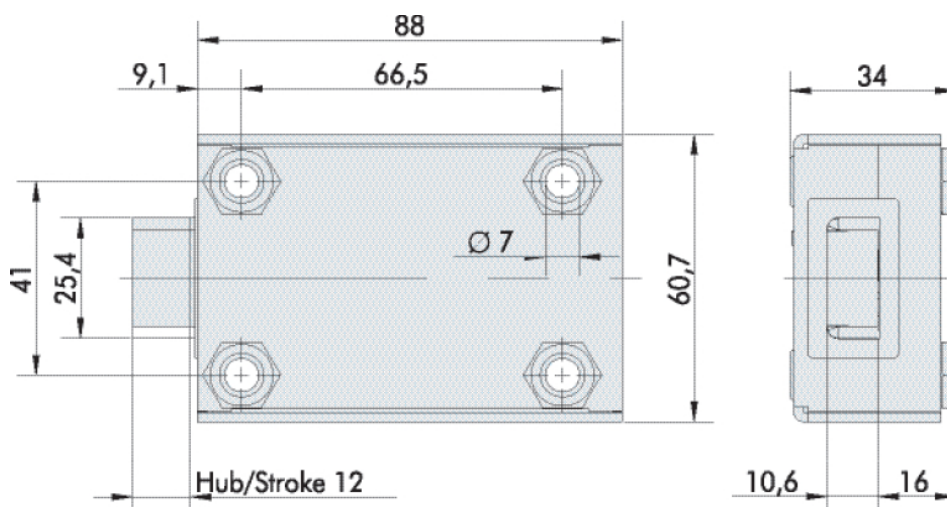
The power supply can be 9, 12 or 13.8 Volts (on connector ENT).

The locks series T4500 can be mounted in all four directions (RH, LH, VU, VD). Further, by flipping the lock, both blocking directions can be realized (DX/SX).

The mounting dimensions are standard (magic module).

The lock is delivered with M6 metric mounting screws. Withworth screws 1/4 – 20 are available on demand.

DIMENSIONS



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Cabling and Characteristics

Power supply:

On connector ENT
Red positive – Black negative.
V = 9V – 12V – 13.8V
I = 200mA @ 12Vcc

Minimum power supply time:

Tmin= 40sec @ 12Vdc (do not power it for a shorter time).

Bolt control contacts

Black wire – common
Green wire – opening
Red wire – closing

Bolt microswitch:

Blue wire – common
Red wire – normally open
Green wire – normally closed
Imax = 0,5A – Vmax = 50Vdc

BOLTWORK REQUIREMENTS AND MOUNTING INSTRUCTIONS



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. Bolt must move freely.

Only use the screws provided by the manufacturer to mount the lock. Tighten the screws so that the lock body appears firmly fixed to the mounting surface (Torque approximately 3.5 Nm).

- Tie cables away from moving parts.
- Any component attached to the bolt must be approved by Tecnosicurezza before installation. In any event the maximum and constantly bolt load may not exceed 2,5N.

FUNCTIONAL TEST (Always perform this operation with the door open!)

Provide power to the lock.

Turn boltwork handle towards OPEN position. Bolt must move freely.

Cut power to the lock.

Turn boltwork handle towards LOCKED position.

The lock bolt must fully extend and secure

Make sure there is an air space on all sides of the lock bolt when the safe's boltwork is fully thrown into LOCKED position.

Repeat functional test several times before locking the safe door.