

12V ELECTRIC GATE LOCK (VERTICAL)



Please read the manual carefully before operating or servicing the equipment.

Safety Guidelines

- Read these instructions carefully and keep them for future reference.
- All data and declarations on this sheet annul and supersede previous information sheets.
- It is recommended to build the electrical system in compliance with the CEI standards in force and to supply the transformable safety lock (in compliance with CEI/IEC EN 60742) or the source with equivalent safety degree according to 411.1.2 and subsequent provisions of the CEI 64-8 / IEC 60364-4-41 standard.
- Ensure that the electric lock power is only supplied by a safety transformer (in compliance with EN 60742/IEC 61558-1:2017) or other power source with an equivalent level of safety.
- Before connecting the electric lock make sure the transformer output voltage is equal to the rate electric lock voltage.
- The transformer must have a power of at least 15VA.
- Ensure that the system is adequately protected against short circuits.
- The control unit (manual or electronic) must be sized for the current absorbed by the electric lock, must comply with the safety standards in force and must guarantee a level of safety equal to that provided by the safety transformer.
- The electrical system must be disconnected from the mains when carrying out cable connection or performing any other work on the electric lock.
- Use IEC 60364 standard wiring installation with a minimum cross-section of 1mm^2

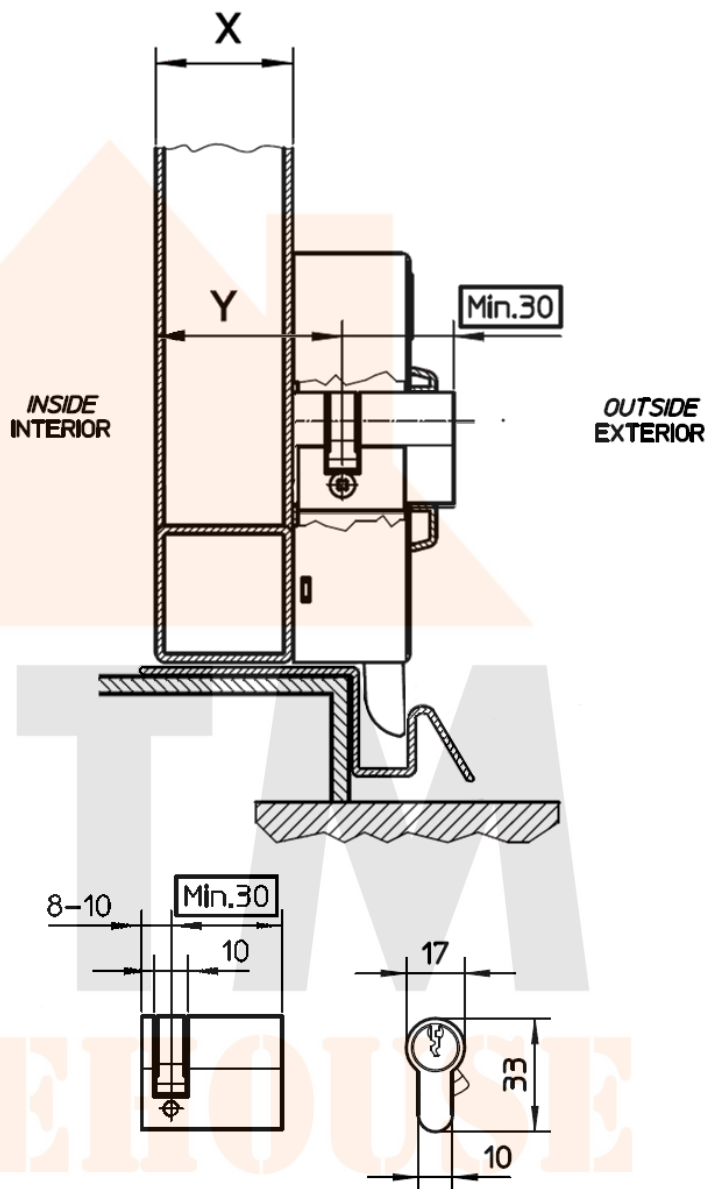
Pre-installation

Choosing the cylinder

It is possible to use any European profile cylinder with DIN or universal cam. Cylinder dimensions should be determined on the thickness "X" of the door/gate and by following instructions on the enclosed picture.

Table 1: thickness of the door and the length of the key lock bolt to the end of the door.

X (mm)	Y (mm)
0 – 4	25
5 – 9	30
10 – 14	35
15 – 19	40
20 – 24	45
25 – 29	50
30 – 34	55
35 – 39	60
40 – 44	65
50 – 54	75
55 – 59	80
60 – 64	85
65 – 69	90
70 – 74	95
75 – 79	100



How to change the opening function

Fig 1. Cross sectional diagram for the gate lock

Standard locks V06 are supplied with the SERVICE FUNCTION: after an electric impulse or input, the lock remains open until the door is opened and closed again, even if there is a door closer installed to the door or a swing gate opener. The SECURITY FUNCTION can be switched over by removing part "F": in this function, the lock can be opened by both methods. Either by an electric impulse and a manual/automatic pressure on the door (this function is not recommended when a door closer is installed to the door). To remove part "F", it is necessary to move the metal plate "G" by using a screw driver. Then unthread part "F" and keep it secure safety when you need to switch back to SERVICE FUNCTION.

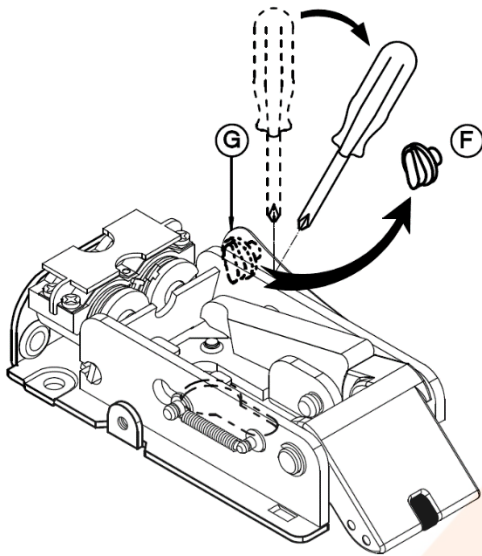


Fig 2. Switching function from SECURE to SECURITY

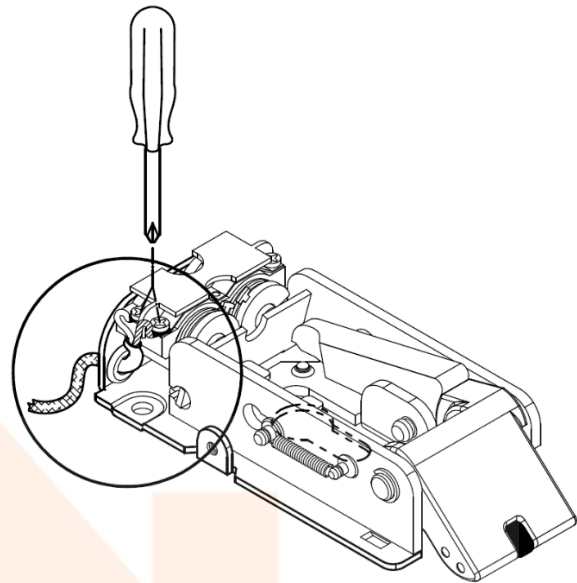


Fig 3. Connecting the wire

Electrical

- Connect the power cables to the terminal block of the coil making them enter under the contact plates and tightening the two tightening screws.
- Before connecting the locks, make sure that the output voltage of the transformer is equal to the value of the designated voltage of the lock.
- The control device must be sized according to the current absorbed by the lock, it must comply with the safety regulations in force and must guarantee a degree of safety equivalent to that of the transformer.
- Perform the cable connection operation and subsequent interventions on the lock with the electrical system disconnected from the mains.
- Use standard cables with a minimum section of 1mm².

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Installation

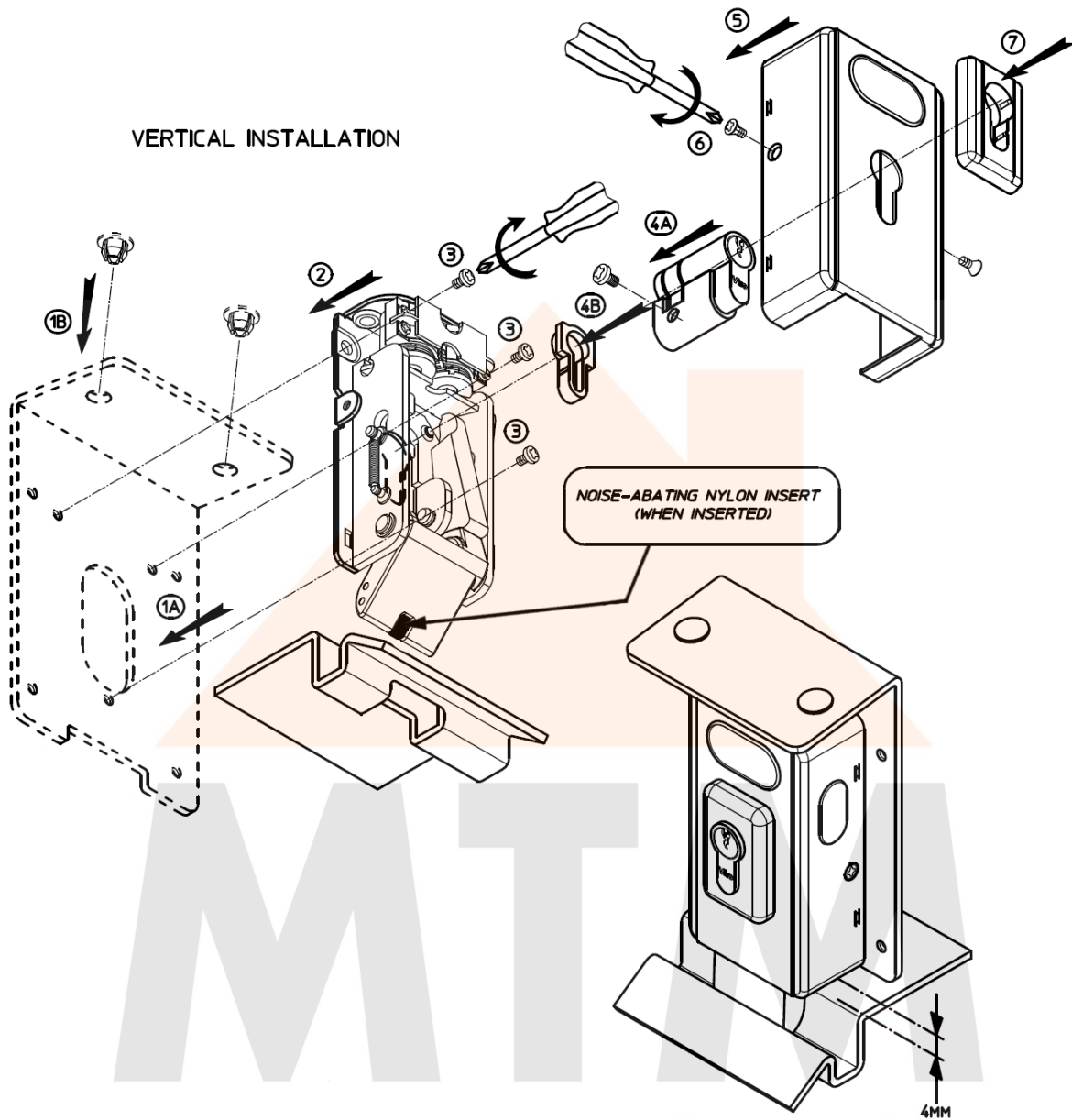


Fig 4. Installation diagram for mounting the gate lock vertical.

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