

M•LOCKS

Echo

**Mounting
instructions
V02 EN**



M•LOCKS BV

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Echo



Echo with Dallas reader

This assembly instruction is equal for input units with and without Dallas readers.

1 IMPORTANT INSTRUCTIONS

- **Before mounting the entry unit, please read the instructions carefully.**
- **Exclusively use supplied screws for mounting the entry unit.**
- **This mounting instruction is part of VdS certification and has to be followed up precisely.**
- At the time of delivery, the lock is set to the standard Manager Code of 1 2 3 4 5 6. Change this code immediately to your own choice of Manager Code. Do not use personal or other simple data which can easily be found out for your Manager Code.
- Please keep the code always carefully and protect it against improper use by unauthorized persons.

2 CHARACTERISTICS

Echo white

Metal housing mat chrome, white front with hard plastic keyboard and integrated battery compartment.

Echo black

Metal housing mat chrome, black front with hard plastic keyboard and integrated battery compartment.

Echo white with Dallas reader

Metal housing mat chrome, white front with hard plastic keyboard with integrated battery compartment and Dallas reader.

Echo black with Dallas reader

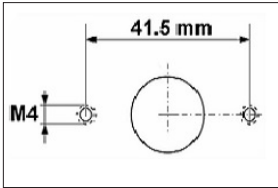
Metal housing mat chrome, white front with hard plastic keyboard with integrated battery compartment and Dallas reader.

The Echo can be mounted both fixed and turnable. The angled housing with ribbed edges provides excellent grip, when turning the keyboard. The integrated battery compartment in the bottom of the

housing opens with a slider. The connection cable to the lock is approximately 30 cm. The entry unit is delivered with two springs and two pins. Use the metal pin for fixed mounting. The plastic pin has to be used for turnable mounting

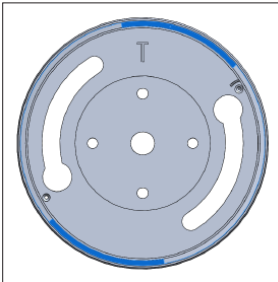
3 MOUNTING INSTRUCTIONS FOR FIXED MOUNTING

The diameter of the door opening for the connection cable should be minimum 9 mm , maximum 12 mm. The door opening must be de-burred well to avoid damage to the cable.



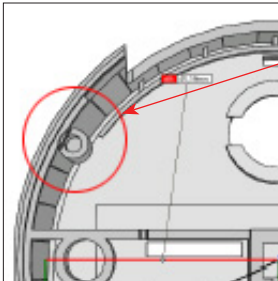
Prepare mounting holes and door opening.

The door opening and the mounting holes must be arranged in such a way that the central opening of the base plate is centered in front of the door opening after assembly. Be sure to note the location of the lock on the inside of the door.

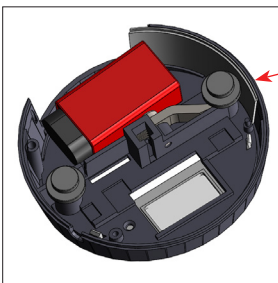


Hold the base plate against the mounting surface so that the 'T' is at the top.

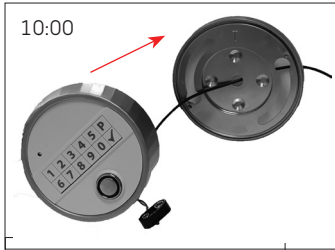
Fasten the plate hand-tight with the two supplied mounting screws. We recommend thread-locking fluid (eg Loctite) for securing the screws.



First insert the spring and then the metal pin into the corresponding hole of the housing of the input unit.



Insert the battery compartment cover into the housing.



Pass the connecting cable through the central opening of the base plate and the door opening. Hold the housing at 10:00 o'clock and slide the cams into the recesses of the base plate.



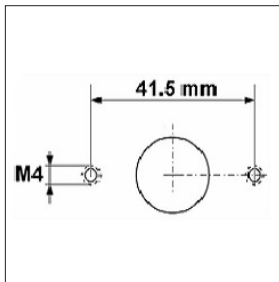
Rotate the housing clockwise until it locks into 12:00 o'clock position.

Attention: The Echo entry unit can no longer be removed!

4 MOUNTING INSTRUCTIONS FOR TURNABLE MOUNTING

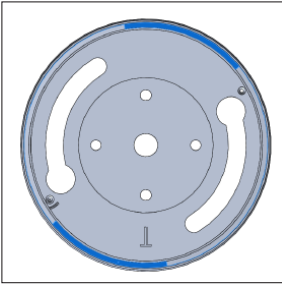
The diameter of the door opening for the connection cable should be minimum 9 mm , maximum 12 mm. The door opening must be de-burred well to avoid damage to the cable.

Shorten the grooved spindle to the required length. This results from the door thickness (Measured from the mounting surface of the base plate to the mounting surface of the lock) **plus** 31 mm [1 7/32 "]. Make sure the spindle is free of burrs.



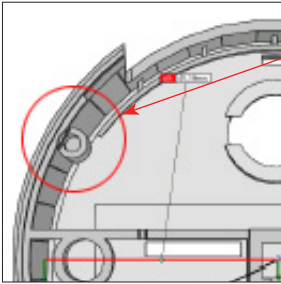
Prepare mounting holes and door opening.

The door opening and the mounting holes must be arranged in such a way that the central opening of the base plate is centered in front of the door opening after assembly. Be sure to note the location of the lock on the inside of the door.

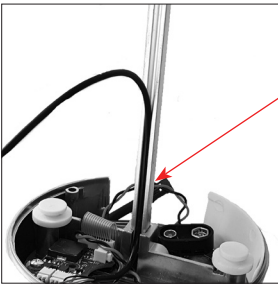


Hold the base plate against the mounting surface so that the 'T' (upside down) is to be read at the bottom.

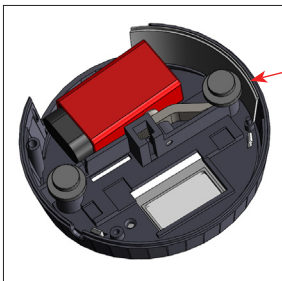
Fasten the plate hand-tight with the two supplied mounting screws. We recommend thread-locking fluid (eg Loctite) for securing the screws. Please grease those parts where friction is expected lightly.



First insert the spring and then the plastic pin into the corresponding hole of the input unit housing.



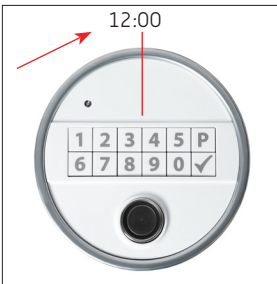
Insert the spindle into the square hole in the center of the housing's inner side. Insert the connecting cable carefully and completely into the spindle groove.



Insert the battery compartment cover into the housing.



Pass the connecting cable and spindle through the central opening of the base plate and the door opening. Hold the housing at 10:00 o'clock and slide the cams into the recesses of the base plate.

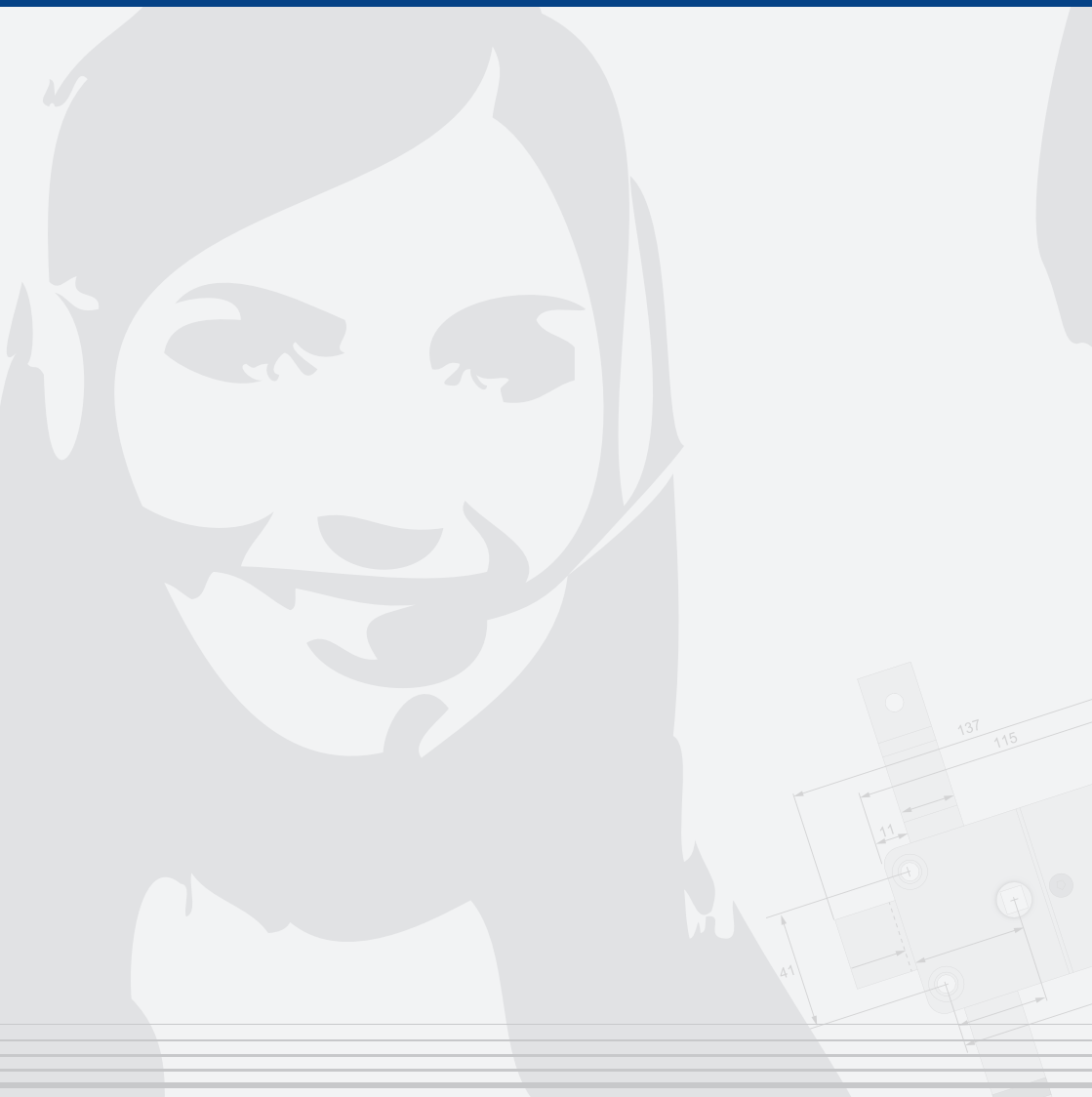


Turn the housing clockwise until it lock into the 12:00 position. Just before reaching the 12:00 position, you will feel some resistance. This resistance must be overcome in order to bring the housing into the 'closed' position. The lock can be opened by turning the input unit housing clockwise, and closing it counterclockwise.

Attention: The Echo entry unit can no longer be removed!

Connect the battery to the battery clip, carefully store the battery in the battery compartment on the bottom of the housing and then close it with the slide. Only use fresh 9V ALKALINE Duracell / Duracell Industrial or Energizer batteries.

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