

DESi

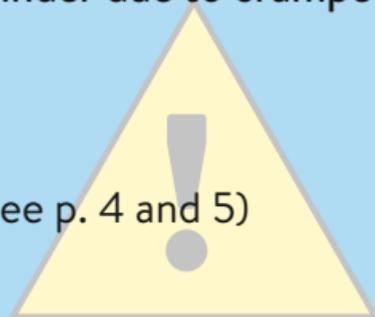
utopic²

Wireless Motorized Cylinder
USER MANUAL



GENERAL INFORMATIONS and WARNINGS

- We recommend you to put the keys to an accessible place (like car, bag etc.) in an emergency condition.
- If there is any problem with door or locking mechanism, first of all, those problems need to be solved. Door's mechanical parts and locking mechanism should be working properly.
- Replace the batteries, if there is a battery warning. **RECYCLE EMPTY BATTERIES!**
- All the system need to be protected from water, direct sunlight and shocks.
- Place the batteries after installation of the system to the door. If the batteries are placed before the installation, auto-rotating parts may cause injuries. **WATCH YOUR FINGERS!**
- **For some doors, even if you remove cylinder screw, you cannot remove cylinder due to cramped installation of defender.** If this is the situation, follow the instructions below:
 - a- Untighten screws of cylinder defender (don't remove the screws)
 - b- Remove cylinder screw and take out the old cylinder.
 - c- Install the device after disassemble the motozied part from the cylinder. (see p. 4 and 5)



1. FEATURES OF THE DEVICE

Structure

Engraved Aluminum, ABS Plastic, Zamak

Cylinder Length

(outside) 31 mm x 37 mm (inside)

Inside part can extensile up to 43 mm

(Different cylinder lengths are available)

Batteries and Battery Life

5x AA size 1,5 V Alkaline or Lithium Batteries

On a 2 turns lock, with 10 operations per day;

300 days (if RF or Bluetooth is enabled)

200 days (if RF and Bluetooth are enabled)

Communication Capability

Bluetooth Low Energy

ISM RF 434 Mhz

Controlling Options and Compatible Accessories

Wireless Fingerprint Readers

Wireless Keypad

Wireless Auto-Locking Module

Wireless Home Automation Interface

Remote Controllers

Remote Access Module

BOX CONTENT

(May vary according to model number)

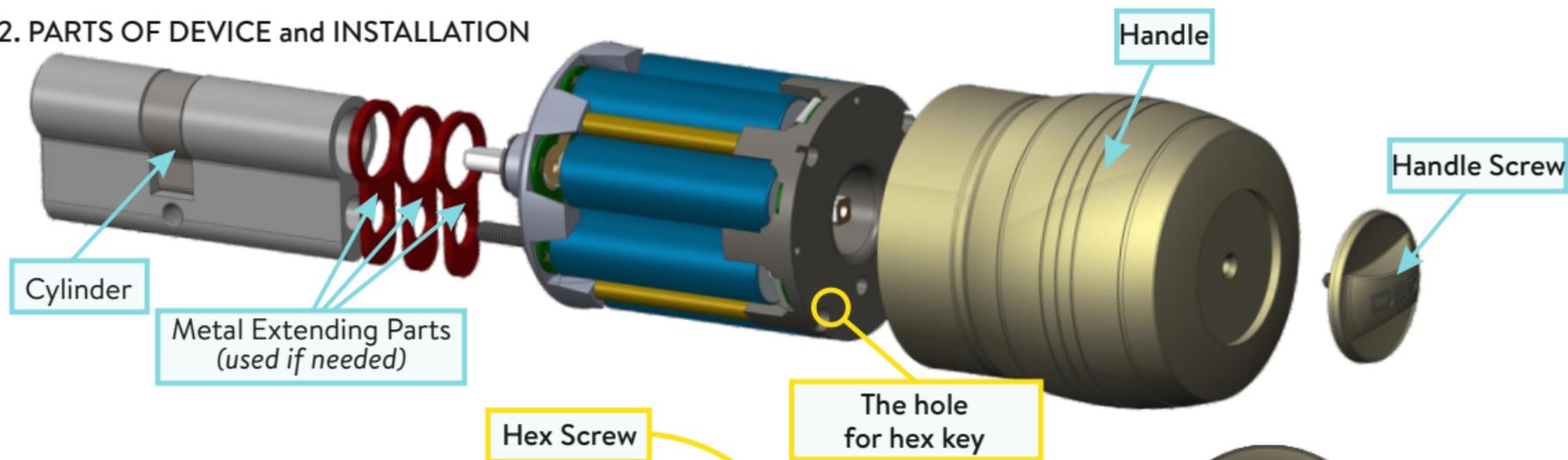
1x Wireless Motorized Cylinder (with keys)

5x Alkaline Batteries

1x Installation screw and Hex key

User Manual

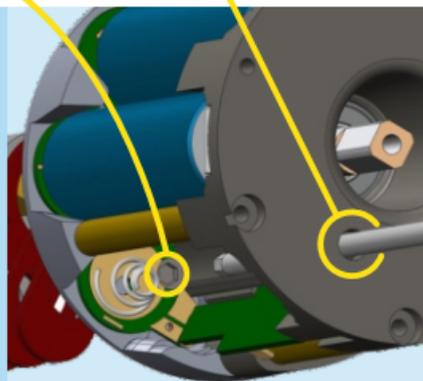
2. PARTS OF DEVICE and INSTALLATION



DEMOUNTING OF MOTOR AND CYLINDER

- Open "handle screw" and remove the handle by pulling.
- Remove the batteries.
- Rotate "hex screw" to counter-clock wise by using the hex key out of the box. You will see the cylinder will be disassembled from the motorized part.

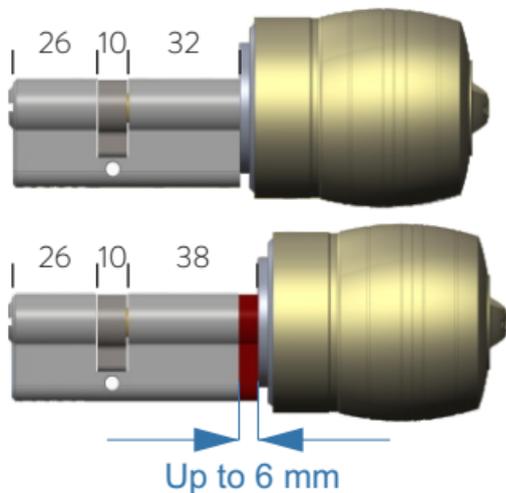
To assemble two parts, combine cylinder and motorized part in a proper way and rotate hex screw to clock wise.



Plastic Cover



Cover Spring



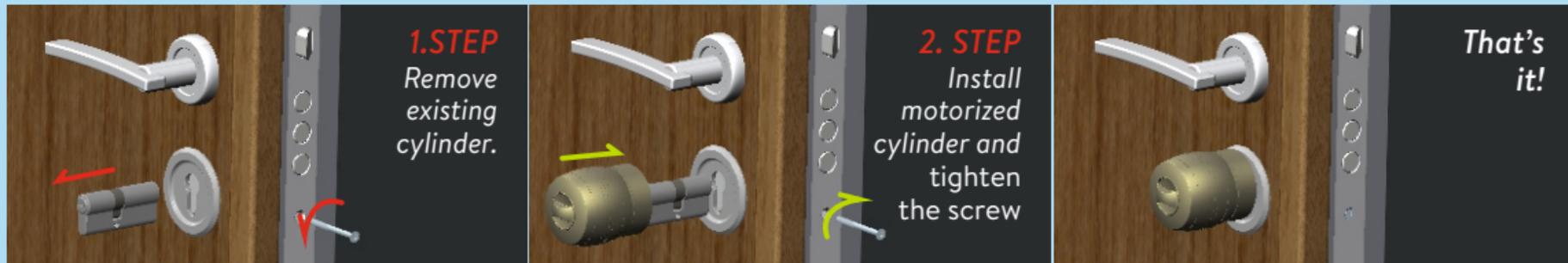
EXTENDING INSIDE PART OF THE CYLINDER *(if needed)*

If the door thickness is not suitable to the cylinder of the device, inside part of the cylinder may be extended up to 6 mm by 2 mm steps.

To extend the cylinder's inside part, follow the instructions below:

- Open "handle screw" and remove the handle by pulling.
- Remove the batteries.
- Rotate "hex screw" to counter-clock wise by using the hex key out of the box till the motorized part is disassembled from the cylinder.
- Add 2 mm metal extending parts as needed.
- Assemble cylinder and motorized part and rotate hex screw to clock wise direction.
- Install the batteries and check the device if it is working properly or not.

INSTALLATION OF MOTORIZED CYLINDER



MOBILE APPLICATION

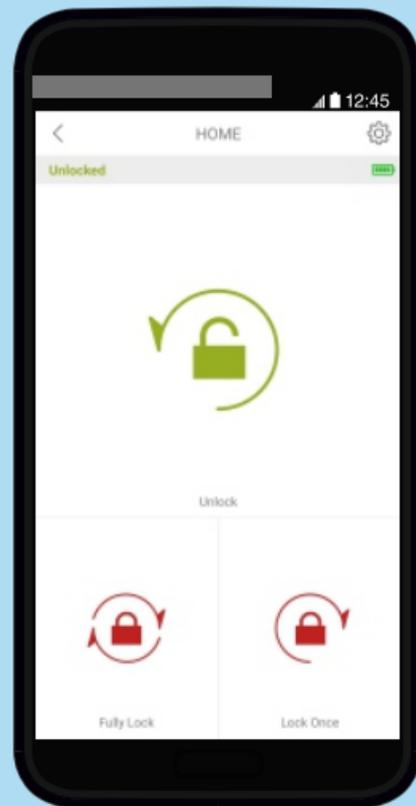
In this section, you can find details about usage of Mobile Application

If there is no controller with your motorized cylinder and if you enroll your smart phone as first controller, it will be master controller of your motorized cylinder.

Before you use your motorized cylinder, you should adjust it properly according to the lock which motorized cylinder will work together. First, you should adjust “direction of locking” and than “number of rotation” (see page 50 and 51)

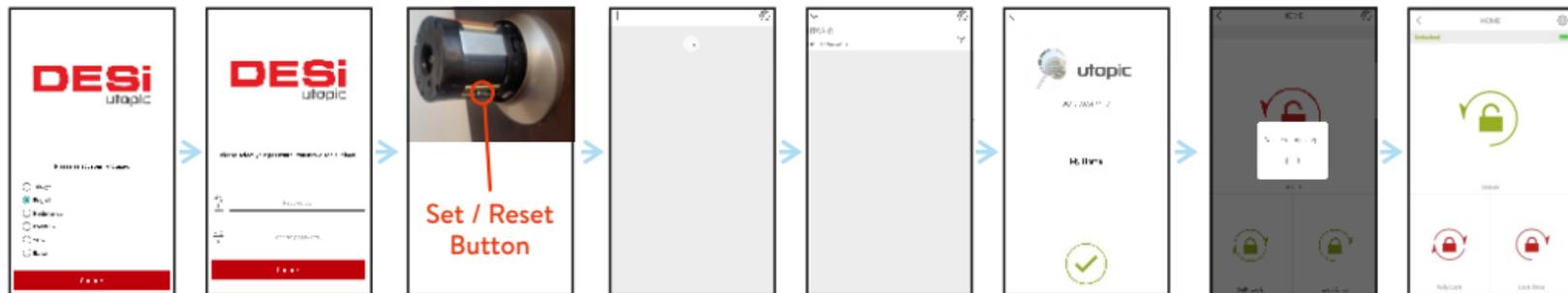
If you want to change the master controller of motorized cylinder, check “HOW TO RESET MOTORIZED CYLINDER” topic on last page.

To use all available features of your device, we recommend you to use a smartphone as master controller.



3.1. ENROLLING A MOBILE PHONE AS MASTER CONTROLLER

- Search “Desi Utopic” on stores. Download, install and run the application.
- Choose desired language and define a password.
- Press “set/reset button” on motorized cylinder till a long warning tone is heard. After that, a short warning tone will be heard, than you can release button.
- Touch “+” on the top left corner to see the list of Utopic motorized cylinders around.
- Touch to UTOPIC line and enter a name for your device and touch to green tick.
- If the matching is successful, you will hear 2 short tones from motorized cylinder and your device will be master controller of motorized cylinder.



3.2. APPLICATION SETTINGS

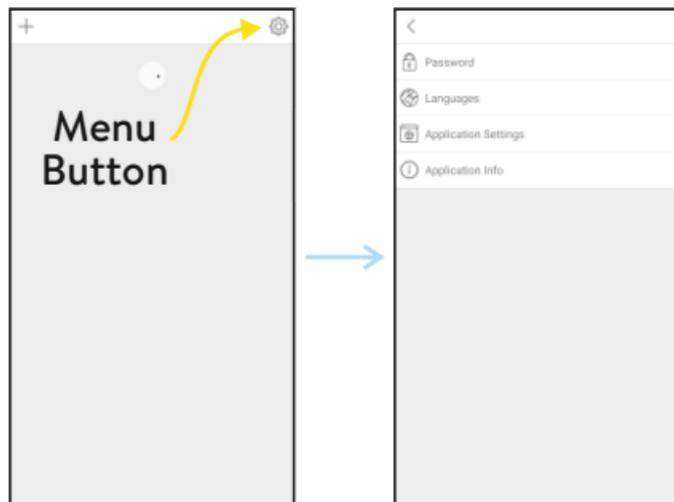
If you touch to menu button on the top right corner when it is not connected to motorized cylinder, you will reach to settings menu of application. Related menu items are as follows:

PASSWORD: You can disable, enable or change the password of application.

LANGUAGES: You can change language of the application.

APPLICATION SETTINGS: You can disable / enable auto-connection feature which connects to a known motorized cylinder around as soon as the application is lunched.

APPLICATION INFO: You can see the version of installed application.



3.3. MOTORIZED CYLINDER SETTINGS / ADMINISTRATION MENU

If you touch to menu button on the top right corner when the application is connected to motorized cylinder as master controller, you will reach to settings menu of connected motorized cylinder. You can change settings of your motorized cylinder and perform administrative activities via this menu.

Before using your smart cylinder, “locking way” and “number of turns” settings should be adjusted properly. Otherwise, it would damage the device’s mechanical structure. Those two settings is written in **RED**. Please check next 2 pages.

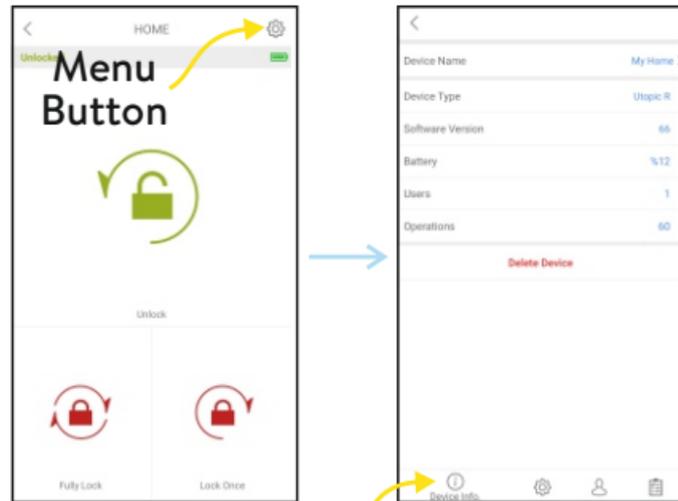
Related menu has 4 tabs; Device Info, Knob Settings, Users, Reports

3.3.1. DEVICE INFO TAB

In this tab, you can see following information:

- Device Name
- Device Type
- Device’s Firmware Version
- Battery Level
- Number of Enrolled Controllers
- Number of Operations (Locking or unlocking)

If you want to delete connected device from your mobile application, touch to “Delete Device” button in this menu.



Device Info Tab

3.3.2. KNOB SETTINGS TAB

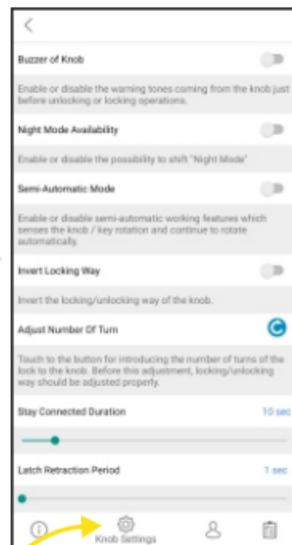
In this tab, there are following menu items:

BUZZER OF KNOB: You can enable / disable activation sounds coming from motorized cylinder.

NIGHT MODE AVAILABILITY: Night mode is a security option which temporarily disables all controllers of motorized cylinder. In this way, the door can only be opened by knob or the key. If this feature is enabled, when you rotate your motorized cylinder through locking way 2 times, the device will shift to night mode till you rotate the knob or key through unlocking way. On this menu item, you can enable / disable capability to shift night mode. For shifting to night mode, Semi-Automatic Mode should be enabled.

SEMI-AUTOMATIC MODE: Your device has a semi-automatic feature which senses the knob / key rotation and continue to rotate automatically. On this menu item, you can enable / disable this feature.

INVERT LOCKING WAY: You may need to change the direction of locking according to the door's way which you will use your motorized cylinder. You can invert locking way of device on this menu item.



Knob Settings Tab

ADJUST NUMBER OF TURNS: Before using your motorized cylinder, you may need to adjust your motorized cylinder according to lock's number of rotation, To do this, close the door and than touch to “Blue Rotating Arrow” button. Motorized cylinder will lock and than unlock the door and learn number of rotation.

AUTO DISCONNECTION TIME: You can adjust (with 5 sec. steps) the time period that application stays connected to motorized cylinder after it is connected.

LATCH RETRACTION PERIOD: According to type of your lock and usage, you would need to adjust the time period which the motorized cylinder keeps latch of the lock inside when it unlocks the lock. You can use the slider to adjust latch retraction period in 4 different way: From left to right; short (around half second), 3 seconds, 6 second and 9 seconds.

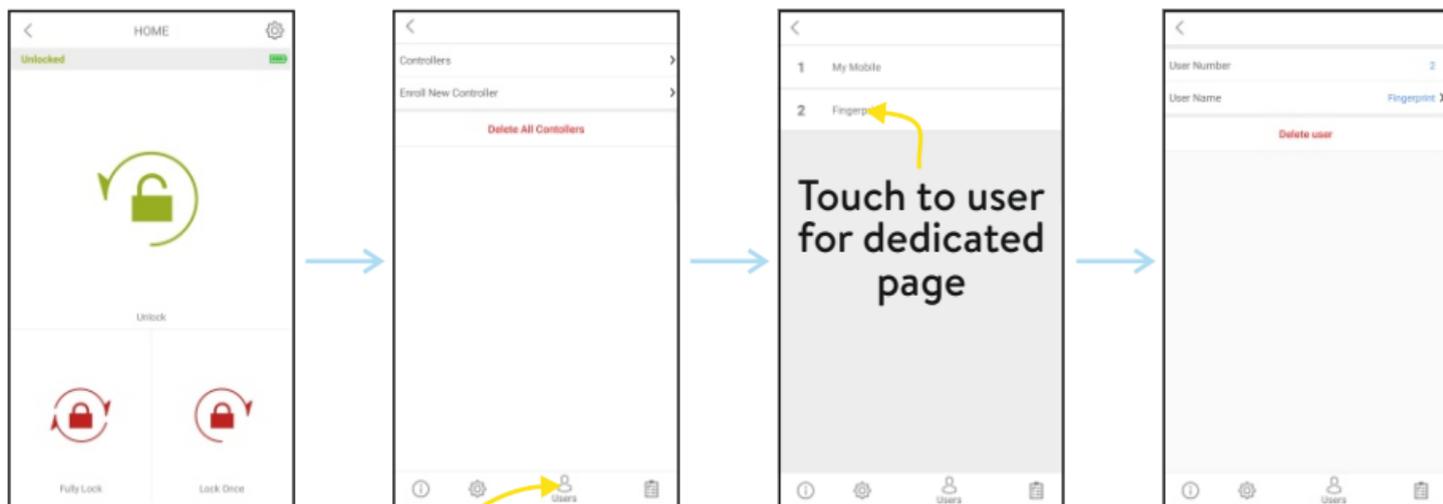
Latch Retraction Period adjustment is not available for Utopic 2.

3.3.3. USERS TAB

In this tab, you add, edit or delete (except master) controllers including accessories like auto-locking module, home automation interface, keypad etc.

EDIT / DELETE ENROLLED CONTROLLERS: If you touch to Controllers title, you can see enrolled controllers of motorized cylinder. If you touch any users, you can reach dedicated page to edit name or delete the controller.

Edit / Delete Enrolled Controller is not available for Utopic 2.



Users Tab

ENROLL NEW REMOTE CONTROLLER: Your motorized cylinder may learn up to 40 different controllers. To shift your motorized cylinder to enrolling new controller mode, touch to “Green Plus” button. In this way, motorized cylinder will shift to enrolling new controller mode with a long warning tone. After that tone, you need to send locking or unlocking signal via the new controller that you want to enroll to the motorized cylinder in following ways:

- For fingerprint reader, wake it up and touch to lock button.
- For keypad, wake it up and touch to locking button.
- For remote controller, press any button till you hear a warning tone from cylinder.
- For auto-locker, make the magnet closer to small triangle (look to sides of device) and wait indicator is lit.
- For enrolling a new mobile phone, please check [page 55](#).

If enrolling will be succesful, you will hear two short warning tones from motorized cylinder.

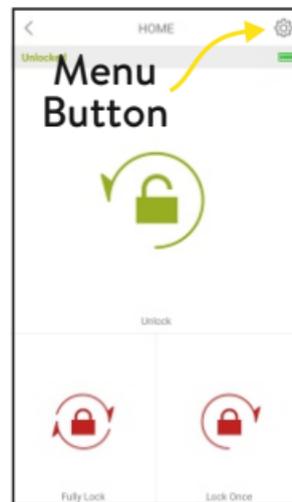
DELETE ALL REMOTE CONTROLLERS: If you want to delete all the controllers of motorized cylinder, touch to “Delete All Controllers”. The master controller cannot be deleted by using this menu item.



3.3.4. REPORT TAB

In this tab, you can see which user unlocked or locked the device. For mobile devices, you can see date and time but for controllers like fingerprint reader, remote controller, keypad etc. you cannot see date and time.

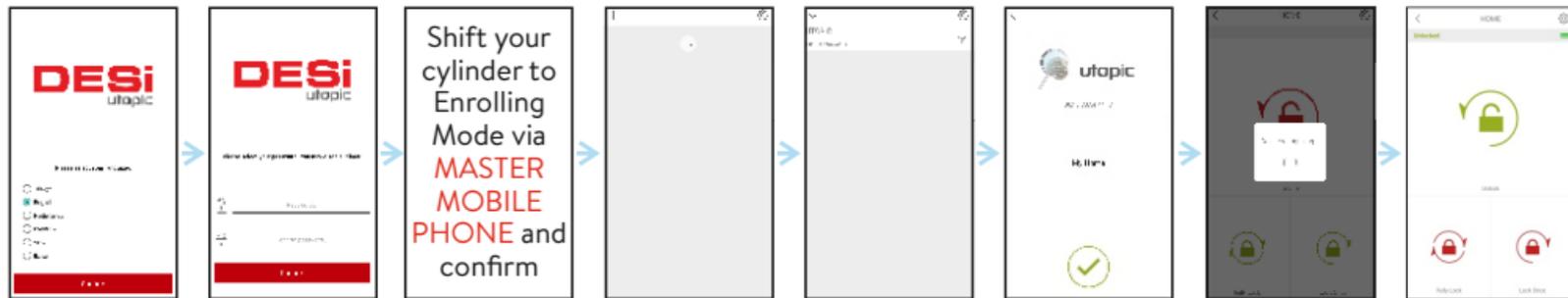
Reporting feature is not available for Utopic 2.



Reports Tab

3.4. ENROLLING A NEW (USER) MOBILE PHONE VIA MASTER MOBILE PHONE

- With NEW MOBILE PHONE, search “Desi Utopic” on stores. Download, install and run the application.
- Choose desired language and define a password.
- Connect to motorized cylinder with MASTER MOBILE PHONE and touch menu button on the top right corner and go to Knob Settings Tab Touch to Green Plus Button next to “ENROLL A NEW REMOTE CONTROLLER” line.
- With NEW MOBILE PHONE, touch “+” on the top left corner to see the list of Utopic motorized cylinders around.
- Touch to UTOPIC line and enter a name for your device and touch to green tick.
- Device recognition process will start. If the matching is successful, you will hear 2 short tones from motorized cylinder and your device will be master controller of motorized cylinder.



NOTE: For Android phones, application will ask to reach location services. This is needed for using Bluetooth properly.

4. USAGE

4.1. UNLOCKING AND OPENING THE DOOR

If you touch to Unlock button on application screen, system automatically unlocks and opens the door.

You can unlock/open the door by using the knob or the key as well. If semi-automatic working is enabled, when you rotate the knob or the key to unlocking way, it will sense the movement and continue automatically.

4.2. LOCKING THE DOOR

If you touch to “Lock Once” button, system will automatically lock the door one turn.

If you touch to “Fully Lock” button, system will automatically lock all the turns.

You can lock the door by using the knob or the key as well. If semi-automatic working is enabled, when you rotate the knob or the key to locking way, it will sense the movement and lock the door one turn.

4.2.a NIGHT MODE

Night mode is a security option which temporarily disables remote controllers. In this way, the door can only be opened by knob or the key. To shift the motorized cylinder to night mode:

- Close the door and turn the knob through locking way. The motorized cylinder will lock the door one turn.
- Turn the knob again through locking way. It will lock all the turns.



In this way, the motorized cylinder will shift to Night Mode. To exit from night mode, turn the knob through unlocking way. It will automatically unlock the door and shift to normal working mode. You can shift to or exit from night mode by using key as well.

To use Night Mode, **NIGHT MODE AVAILABILITY** and **ADJUSTING SEMI-AUTOMATIC WORKING** settings need to be enabled. If any of them is disabled, the motorized cylinder cannot shift to Night Mode.

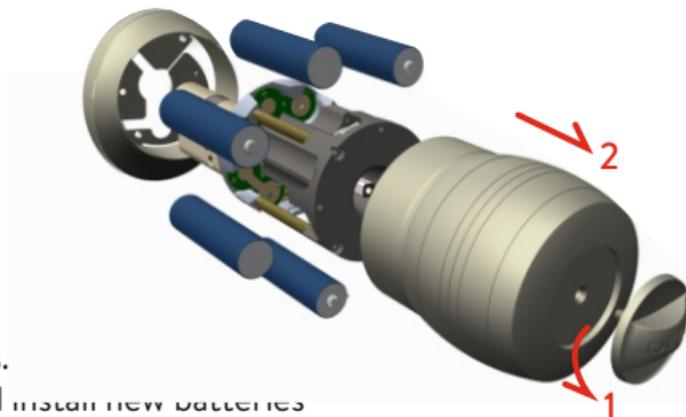
5. MAINTENANCE

You can clean the surfaces with soft fabric. Do not use water or corrosive chemicals. Do not touch to electronic parts of the device with a conducting metal or sharp object.

5.1. REPLACING MOTORIZED CYLINDER'S BATTERIES

- The motorized cylinder uses 5x AA size 1,5 V Alkaline or Lithium batteries.
- Do not use old and new batteries or different types of batteries together.
- If you are changing batteries, change them all. Use high quality batteries.

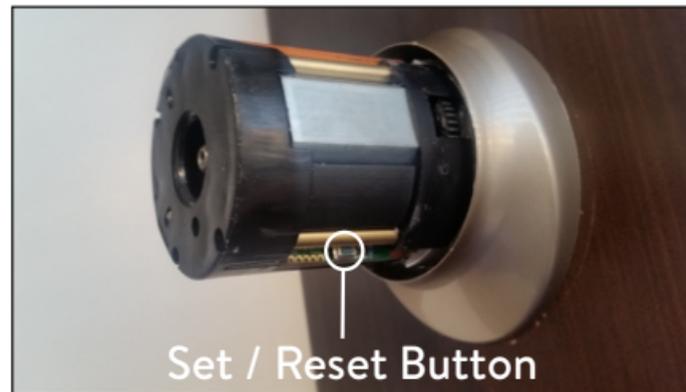
If you hear triple warning tone after any operation (locking/unlocking), or if the motorized cylinder rotates too slowly, you need to replace the batteries. open knob screw and remove knob (pull outward), uninstall old batteries and install new batteries (watch polarities). Put knob back and tighten knob screw.



5.2. HOW TO RESET MOTORIZED CYLINDER

If you want to change master controller of motorized cylinder, you need to reset motorized cylinder. To do this, follow the steps below:

- Remove 1 battery of your motorized cylinder and press and hold “set/reset button”. Put the 5th battery. You will start to hear a long warning tone from motorized cylinder. Continue to hold the button till you hear two short tone after long warning tone.
- In this way, motorized cylinder will be reset and all the controllers, including master controller, enrolled to the device will be deleted.



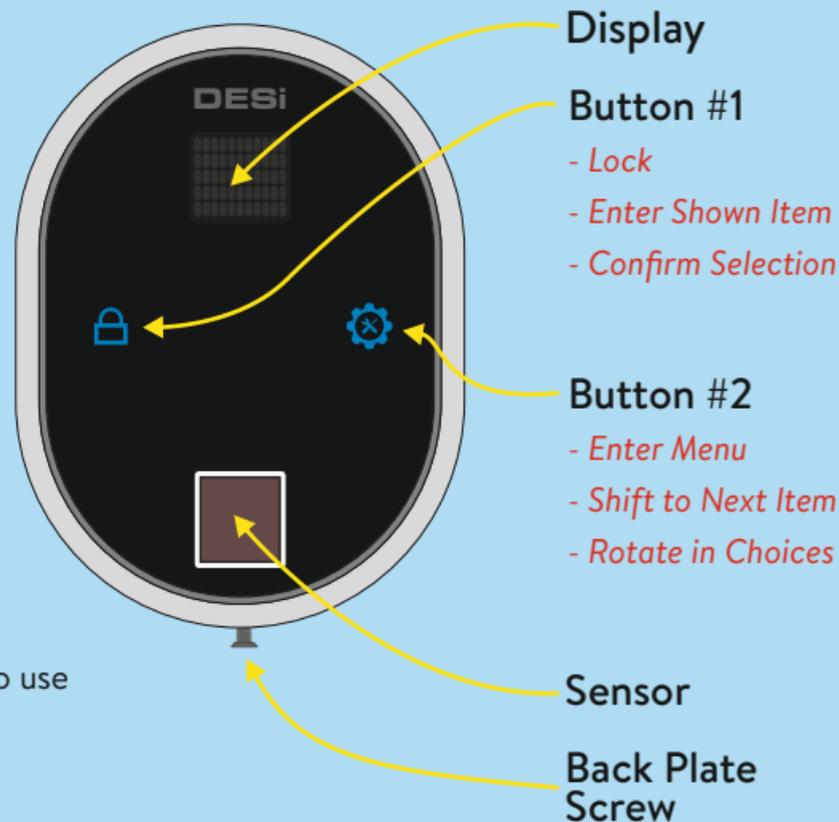
WIRELESS FINGERPRINT READER

In this section, you can find details about installation and usage of Wireless Fingerprint Reader.

Before using your motorized cylinder, first, you should adjust “**locking way**” and then “**number of rotation**” settings via master controller of your motorized cylinder. If master controller is fingerprint reader, please check page 25 and 26 for this purpose.

If you want to change the master controller of motorized cylinder, check “HOW TO RESET MOTORIZED CYLINDER” topic on the last page.

To use all available features of your device, we recommend you to use a smartphone as master controller.



6.1. INSTALLATION OF WIRELESS FINGERPRINT READER

Unscrew back plate screw at the bottom of reader and separate pack plate from device. After that, follow the steps below:

1st Step



Place back plate to the desired location and fix it with 2 screws.

2nd Step



Place the device and tighten back plate screw.

6.2. ENROLLING FIRST (MASTER) FINGERPRINT

Fingerprint reader comes without any fingerprint in its memory. The first 3 fingerprints are accepted as master fingerprints and administrative activities like enrolling or deleting fingerprint can be done by master fingerprints only.

Master fingerprints need to be chosen carefully. Don't enroll a child's finger or any finger which is deformed (or can be deformed easily) as a master finger.

To enroll first fingerprint:

- Touch to device with your palm to wake it up. Touch "Button #2". First "OK" and then "LEARN" will be displayed.
- Touch "Button #1". "L3" will be displayed.
- Put the finger onto the reader till you see "OK" and remove. "L2" will be displayed.
- Put the same finger again till you see "OK" and remove. . "L1" will be displayed.
- Put the same finger again till you see "OK".

After this step, your finger will be enrolled as first master. Schematic representation of operation is as follows:



6.3. SETTINGS / ADMINISTRATION MENU

You can change settings of your motorized cylinder and perform administrative activities via this menu. Before using your smart cylinder, “number of turns” and “locking way” settings should be adjusted properly. Otherwise, it will damage the device’s mechanical structure or your lock.

The menu items and order is as follows:

Display	Function
LEARN ①	Enrolling new fingerprints
DELETE ①	Deleting enrolled fingerprints one by one
RESET ①	Deleting all fingerprints (Resetting fingerprint reader)
TURN ①	Adjusting motorized cylinder according to lock’s number of rotation to lock/unlock
MOTOR ①	Adjusting direction of locking according to door’s opening way
USER ①	Showing total number of enrolled fingerprints in the device’s memory
SOUND ①	Enabling or disabling buzzer sound (Warning tones are always active)
NIGHT ①	Enabling or disabling delayed locking which locks 5 s. after locking button on the cylinder is pressed.
MANUAL ①	Enabling or disabling automatic locking mode which locks cylinder 1 minute after it is unlocked
R.LEARN ①	Shifting the motorized cylinder to enrolling mode to learn new controllers
R.DELETE ①	Deleting all controllers enrolled to cylinder except master controller.
R.COUNT ①	Reporting number of controllers enrolled to motorized cylinder via buzzer sound
HOLD.TM ①	Adjusting latch retraction period.

6.3.1. ENROLLING A NEW FINGERPRINT (LEARN or ENROLL)

If you want to enroll a new fingerprint to the reader, follow the steps below:

- Touch to device with your palm to wake it up. Two arrows will appear on display. Touch “Button #2”. ADMIN will be shown.
- Put one of the master fingers onto the reader. First “OK” and then “LEARN” (or “ENROLL”) will be shown.
- Touch “Button #1” when “LEARN” (or “ENROLL”) is on display. “L3” will be shown.
- Put the finger to the reader till you see “OK” and remove. “L2” will be displayed.
- Put the same finger again till you see “OK” and remove. . “L1” will be displayed.
- Put the same finger again till you see “OK”.

In this way, the new fingerprint will be enrolled to the device. Schematic representation of operation is as follows:



NOTE 1: System assigns an id to fingers and this id is shown when finger is read.

NOTE 2: During enrollment, device reads the finger 3 times. If any of those reads doesn't match, “FALSE” (or “DENIED”) message will be displayed and reader turns back to “L3” step. In this case, enrolling need to be repeated. Try to put your finger to the sensor in a similar way during all reads.

6.3.2.DELETING ENROLLED FINGERPRINTS ONE-BY-ONE (DELETE)

If you want to delete an enrolled fingerprint which you know the id number, follow the steps below:

- Touch to device with your palm to wake it up. Two arrows will appear on display. Touch "Button #2". ADMIN will be shown.
- Put one of the master fingers onto the reader. First "OK" and then "LEARN" will be shown.
- Touch "Button #2" till "DELETE" appears and touch "Button #1" when "DELETE" is on display. "02" will be shown.
- Touch "Button #2" till you see the fingerprint id you want to delete and touch "Button #1" when related id is on display.
- "OK" will be shown.

In this way, the related fingerprint will be deleted. Schematic representation of deleting a fingerprint (e.g. id is "07") is as follows:



NOTE 1: System assigns an id to fingers and this id is shown when finger is read. By mistake, if you pass the id of fingerprint you want to delete, wait a few seconds till display goes off and restart the procedure.

NOTE 2: First master fingerprint cannot be deleted in this way.

6.3.3. DELETING ALL FINGERPRINTS / RESET FINGERPRINT READER (RESET)

If you want to delete all enrolled fingerprint readers (including masters) , follow the steps below:

- Touch to device with your palm to wake it up. Two arrows will appear on display. Touch “Button #2”. ADMIN will be shown.
- Put one of the master fingers onto the reader. First “OK” and then “LEARN” will be shown.
- Touch “Button #2” till “RESET” appears and touch “Button #1” when “RESET” is on display. ”00” will be shown.
- Touch “Button #2” till you see “17” and touch “Button #1”.
- “OK” will be shown.

In this way, all the fingerprints (including masters) will be deleted. Schematic representation of operation is as follows:



NOTE: If you pass “17” by mistake, don’t touch any button and wait a few seconds till display goes off. After that restart the procedure.

6.3.4. ADJUSTING MOTORIZED CYLINDER ACCORDING TO LOCK'S NUMBER OF ROTATION TO LOCK/UNLOCK (TURN or TURN COUNT)

To adjust your motorized cylinder according to lock's number of rotation, follows the steps below:

- First of all, close the door.
- Touch to device with your palm to wake it up. Two arrows will appear on display. Touch "Button #2". ADMIN will be shown.
- Put one of the master fingers onto the reader. First "OK" and then "LEARN" (or "ENROLL") will be shown.
- Touch "Button #2" till "TURN" (or "TURN COUNT") appears and touch "Button #1" when "TURN" (or "TURN COUNT") is on display. "OK" will be shown and cylinder will automatically lock and unlock the door.

In this way, motorized cylinder will learn how many rotations is needed to lock / unlock the door. Schematic representation of operation is as follows:

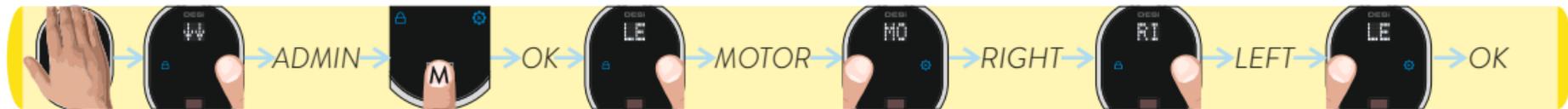


6.3.5. ADJUSTING DIRECTION OF LOCKING ACCORDING TO DOOR'S OPENING WAY (MOTOR or D.HANDING)

To adjust your motorized cylinder's locking way according to the door's handing, follows the steps below:

- Touch to device with your palm to wake it up. Two arrows will appear on display. Touch "Button #2". ADMIN will be shown.
- Put one of the master fingers onto the reader. First "OK" and then "LEARN" (or "ENROLL") will be shown.
- Touch "Button #2" till "MOTOR" (or "D.HANDING") appears and touch "Button #1" when "MOTOR" (or D.HANDING) is on display. "RIGHT" or "LEFT" will be shown.
- Touch "Button #2" to toggle between;
 - "RIGHT" - right door,
 - "LEFT" - left door.
- When desired way is displayed, touch "Button #1". "OK" will be displayed.

In this way, motorized cylinder's direction of locking will be set. Schematic representation of changing direction of locking from right to left is as follows:



NOTE: To transfer settings to motorized cylinder, you need to lock or unlock motorized cylinder via master controller.

6.3.6. REPORTING TOTAL NUMBER OF ENROLLED FINGERS (USER or TOTAL FNGR)

To learn total number of fingerprints enrolled to the reader, follows the steps below:

- Touch to device with your palm to wake it up. Two arrows will appear on display. Touch "Button #2". ADMIN will be shown.
- Put one of the master fingers onto the reader. First "OK" and then "LEARN" (or "ENROLL") will be shown.
- Touch "Button #2" till "USER" (or "TOTAL FNGR") appears and touch "Button #1" when "USER" (or "TOTAL FNGR") is on display.

In this way, number of enrolled fingerprints will be displayed. Schematic representation of this operation (which shows 8 fingerprints enrolled to reader) is as follows:



6.3.7. ENABLING OR DISABLING BUZZER SOUND (SOUND or BUZZER)

You can disable (or enable) activation sound of motorized cylinder by following steps below:

- Touch to device with your palm to wake it up. Two arrows will appear on display. Touch “Button #2”. ADMIN will be shown.
- Put one of the master fingers onto the reader. First “OK” and then “LEARN” (or “ENROLL”) will be shown.
- Touch “Button #2” till “SOUND” (or “BUZZER”) appears and touch “Button #1” when “SOUND” (or “BUZZER”) is displayed. First “OK” then ”ON” or “OFF” will be shown.
- Touch “Button #2” to toggle between;
 - “OFF” - buzzer is disabled
 - “ON” - buzzer is enabled.
- When desired choice is displayed, touch “Button #1”. “OK” will be displayed.

In this way, desired buzzer choice will be set. Schematic representation of disabling buzzer sound is as follows:



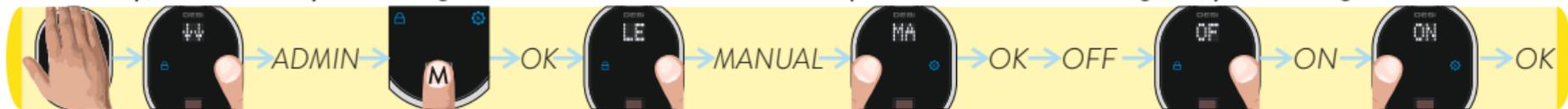
NOTE: To transfer settings to motorized cylinder, you need to lock or unlock motorized cylinder via master controller.

6.3.8. DELAYED LOCKING FEATURE (NIGHT or DLYD.LOCK)

Your motorized cylinder has a delayed locking feature which locks itself 5 second after you press the locking button on the motorized cylinder. If this feature is enabled, when you are going out, if you touch locking button on motorized cylinder and close the door in 5 seconds, it will lock the door automatically. You can enable or disable this feature by following steps below:

- Touch to device with your palm to wake it up. Two arrows will appear on display. Touch “Button #2”. ADMIN will be shown.
- Put one of the master fingers onto the reader. First “OK” and then “LEARN” (or “ENROLL”) will be shown.
- Touch “Button #2” till “NIGHT” (or “DLYD.LOCK”) appears and touch “Button #1” when “NIGHT” (or “DLYD.LOCK”) is displayed. First “OK” then ”ON” or “OFF” will be shown.
- Touch “Button #2” to toggle between;
 - “OFF” - delayed locking is disabled
 - “ON” - delayed locking is enabled.
- When desired choice is displayed, touch “Button #1”. “OK” will be displayed.

In this way, desired delayed locking choice will be set. Schematic representation of enabling delayed locking is as follows:



NOTE: To transfer settings to motorized cylinder, you need to lock or unlock motorized cylinder via master controller.

6.3.9. AUTO-LOCKING FEATURE (MANUAL or AUTO.LOCK)

Your device has an automatic locking feature which locks itself 1 minute after it is unlocked. If you enable this feature, you will be sure that your door is always locked.

You can enable or disable this feature by following steps below:

- Touch to device with your palm to wake it up. Two arrows will appear on display. Touch “Button #2”. ADMIN will be shown.
- Put one of the master fingers onto the reader. First “OK” and then “LEARN” (or “ENROLL”) will be shown.
- Touch “Button #2” till “MANUAL” (or “AUTO.LOCK”) appears and touch “Button #1” when “MANUAL” (or AUTO.LOCK) is displayed. First “OK” then “ON or “OFF” will be shown.
- Touch “Button #2” to toggle between;
 - “OFF” - auto-locking is enabled.
 - “ON” - auto-locking is disabled.
- When desired choice is displayed, touch “Button #1”. “OK” will be displayed.

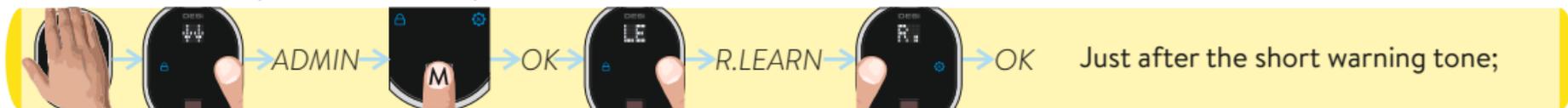
In this way, desired auto-locking choice will be set. Schematic representation of disabling auto-locking is as follows:



NOTE: To transfer settings to motorized cylinder, you need to lock or unlock motorized cylinder via master controller.

6.3.10. SHIFTING MOTORIZED CYLINDER TO ENROLLING NEW CONTROLLER MODE (R.LEARN or U-ENROLL)

- Touch to device with your palm to wake it up. Two arrows will appear on display. Touch “Button #2”. ADMIN will be shown.
- Put one of the master fingers onto the reader. First “OK” and then “LEARN” (or “ENROLL”) will be shown.
- Touch the “Button #2” till “R.LEARN” (or U-LEARN) appears and touch “Button #1” when “R.LEARN” is on display.
- “OK” will be displayed. The motorized cylinder will shift to enrolling new controller mode with a long and a short warning tone. Schematic representation of operation is as follows:



For keypad;



wake it up and touch the locking button.

For remote controller;



press and hold any button.

For enrolling a **new mobile phone**, please check next page.

For auto-locking module;



take the magnet closer to triangle sign and wait indicator is lit.

For home automation interface;

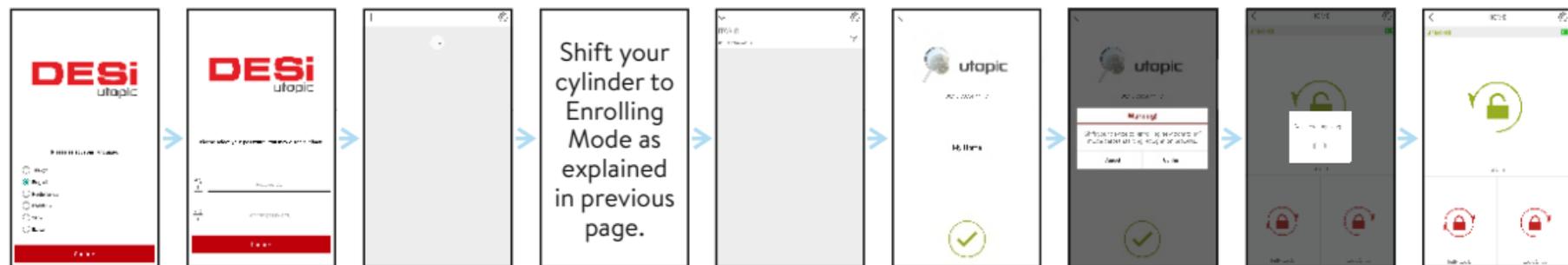


power up the device and short-circuit and then open-circuit yellow and black cables.

For **other controllers**, send locking or unlocking signal via related controller.

ENROLLING A NEW (USER) MOBILE PHONE

- With the phone that you want to enroll to your motorized cylinder, search “Desi Utopic” on stores. Download, install and run the application.
- Choose desired language and define a password.
- Shift the motorized cylinder to enrolling mode as explained previous page and touch “+” in the top left corner to see the list of Utopic motorized cylinders around.
- Touch the UTOPIC line and enter a name for your device and touch the “green tick”. Confirm the pop-up window. Device recognition process will start. If the matching is successful, you will hear 2 short tones from motorized cylinder and your device will be enrolled to the motorized cylinder as a user controller.



NOTE: For Android phones, application will ask to reach location services. This is needed for using Bluetooth properly.

6.3.11. DELETING ALL ENROLLED CONTROLLERS OF MOTORIZED CYLINDER EXCEPT MASTER CONTROLLER (R.DELETE or U-CLEAR)

To delete all enrolled controllers of your motorized cylinder, follows the steps below:

- Touch to device with your palm to wake it up. Two arrows will appear on display. Touch “Button #2”. ADMIN will be shown.
- Put one of the master fingers onto the reader. First “OK” and then “LEARN” (or “ENROLL”) will be shown.
- Touch the “Button #2” till “R.DELETE” (or “U-CLEAR”) appears and touch “Button #1” when “R.DELETE” (or “U-CLEAR”) is on display. ”OK” will be shown.
- Touch “Button #1”.
- “OK” will be shown.

In this way, motorized cylinder will delete all enrolled controllers of motorized cylinder with a long warning tone. Schematic representation of operation is as follows:



NOTE: This operation doesn't delete master controller from motorized cylinder's memory. If you want to delete master controller as well, please check “HOW TO RESET MOTORIZED CYLINDER” topic on the last page.

6.3.12. REPORTING NUMBER OF ENROLLED CONTROLLERS VIA BUZZER SOUND (R.COUNT or U-USERS)

Your motorized cylinder can report number of enrolled controllers via buzzer sound. To do this, follows the steps below:

- Touch to device with your palm to wake it up. Two arrows will appear on display. Touch “Button #2”. ADMIN will be shown.
- Put one of the master fingers onto the reader. First “OK” and then “LEARN” (or “ENROLL”) will be shown.
- Touch “Button #2” till “R.COUNT” (or “U-USERS”) appears and touch “Button #1” when “R.COUNT” (or “U-USERS”) is on display.
- “OK” will be displayed.

In this way, motorized cylinder will start to report number of enrolled controllers via short warning tones.

Schematic representation of operation is as follows:



6.3.13. ADJUSTING LATCH RETRACTION PERIOD (FOR SOME MODELS ONLY) (HOLD.TM or LATCH RTR)

According to type of your lock and usage, you would need to adjust the time period which the motorized cylinder will keep latch of the lock inside when it unlocks the lock. To adjust latch retraction period, follows the steps below:

- Touch to device with your palm to wake it up. Two arrows will appear on display. Touch “Button #2”. ADMIN will be shown.
- Put one of the master fingers onto the reader. First “OK” and then “LEARN” (or “ENROLL”) will be shown.
- Touch “Button #2” till “HOLD.TM” (or “LATCH.RTR”) appears and touch “Button #1” when “HOLD.TM” (or “LATCH.RTR”) is on display. ”0SN”, “3SN”, “6SN” or “9SN” will be shown.
- Touch “Button #2” to choose toggle between;
 - “0SN” - Short Period (latch will be kept inside the lock around 1 second and then released)
 - “3SN” - Middle Period (latch will be kept inside the lock around 3 second and then released)
 - “6SN” - Long Period (latch will be kept inside the lock around 6 second and then released)
 - “9SN” - Longest Period (latch will be kept inside the lock around 9 second and then released)
- When desired choice is displayed, touch “Button #1”. “OK” will be displayed.

In this way, latch retraction period of motorized cylinder will be adjusted. Schematic representation of adjusting latch retraction period to 3 seconds is as follows:



NOTE: To transfer settings to motorized cylinder, you need to lock or unlock motorized cylinder via master controller.

6.4. USAGE

Before using your motorized cylinder, you should adjust “locking way” and “number of rotation” according to lock which will be used with motorized cylinder.

6.4.1. UNLOCKING AND OPENING THE DOOR

Touch to device with your palm to wake it up and put an enrolled finger onto sensor. Fingerprint id will be displayed and motorized cylinder will unlock and open the door. If the finger is not known or recognized, “FALSE” will be displayed.

You can also unlock and open the door via button on motorized cylinder. For emergency conditions, the handle and key also can unlock and open the door.

6.4.2. LOCKING THE DOOR

Touch to device with your palm to wake it up and then touch locking button. System will lock the door.

You can also lock the door via button on motorized cylinder. For emergency conditions, the handle and key also can lock the door.

6.4.3. CHILD LOCK

If you enable child lock feature, motorized cylinder will behave like a standard mechanical lock. You can use it either with a mechanical key or the handle only. None of enrolled controllers (like fingerprint reader) will work till child lock is disabled. To enable child lock, press and hold two buttons on the motorized cylinder till you hear a long (3 sec.) warning tone. To disable child lock, press and hold two buttons on the motorized cylinder till you hear 3 short warning tones.

6.5. MAINTENANCE

You can clean external surfaces by soft, slightly damp cloth. Never use abrasive chemicals or water for this purpose. Don't try to disassemble your motorized cylinder.

6.5.1. CHARGING YOUR MOTORIZED CYLINDER

If you hear three short tones after operation of the motorized cylinder or if the rotation speed is too slow compared to normal working speed, you need to charge your motorized cylinders. For this purpose, we recommend to use provided charger and cable.

! ATTENTION !

- Charging period of your device is around 3 hours. We recommend you to charge it under supervision.
- With your own risk, you can use any 5 V DC microUSB chargers or a powerbank. Use high quality chargers, cables and powerbanks only.
- You may use your motorized cylinder as it is always connected to charger. The device will automatically adjust itself to work as always connected. (valid for firmware version 72 and higher.)
- If you are leaving your home for an extended period of time, first fully charge your motorized cylinder and take your mechanical key with you. If you would leave more than 2 months, after charging your motorized cylinder, either shift the motorized cylinder to childlock mode or leave your device as it is connected to charger. Otherwise, the batteries of your product would die due to deep discharge.

6.5.2. REPLACING FINGERPRINT READER'S BATTERY

If you start to see “BL” message on fingerprint reader’s display, you need to replace the batteries. Get 2x AAA Alkaline (or 1,5V Lithium Batteries) and follow steps below:

- Unscrew back plate screw. Hold fingerprint reader from bottom part, pull and lift up to detach it from back plate.
- Replace the battery with new one. Watch the polarities!
- Attach fingerprint reader to back plate and tighten the screw.

