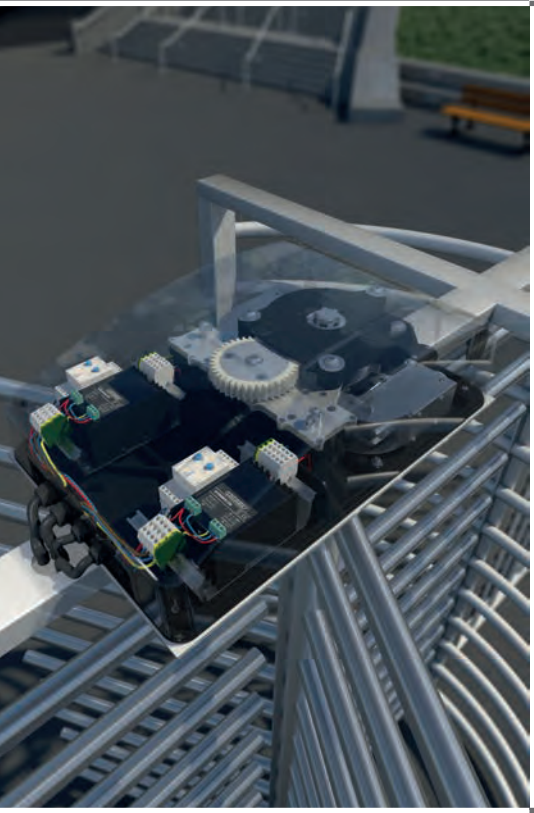
# TURNITEC

LOCINOX®



## USER GUIDE

- ENGLISH
- NEDERLANDS
- FRANCAIS
- DEUTSCH

- As manufacturer of this product, we guarantee that we have taken all the necessary steps in order for this product to comply with the current safety requirements.

## Copyright



## Notice

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## Technical Support

If you require any additional information or assistance during the installation, please contact your dealer, who will be able to provide the latest information. Alternatively, you can visit the Locinox website for more technical information

# Index - English

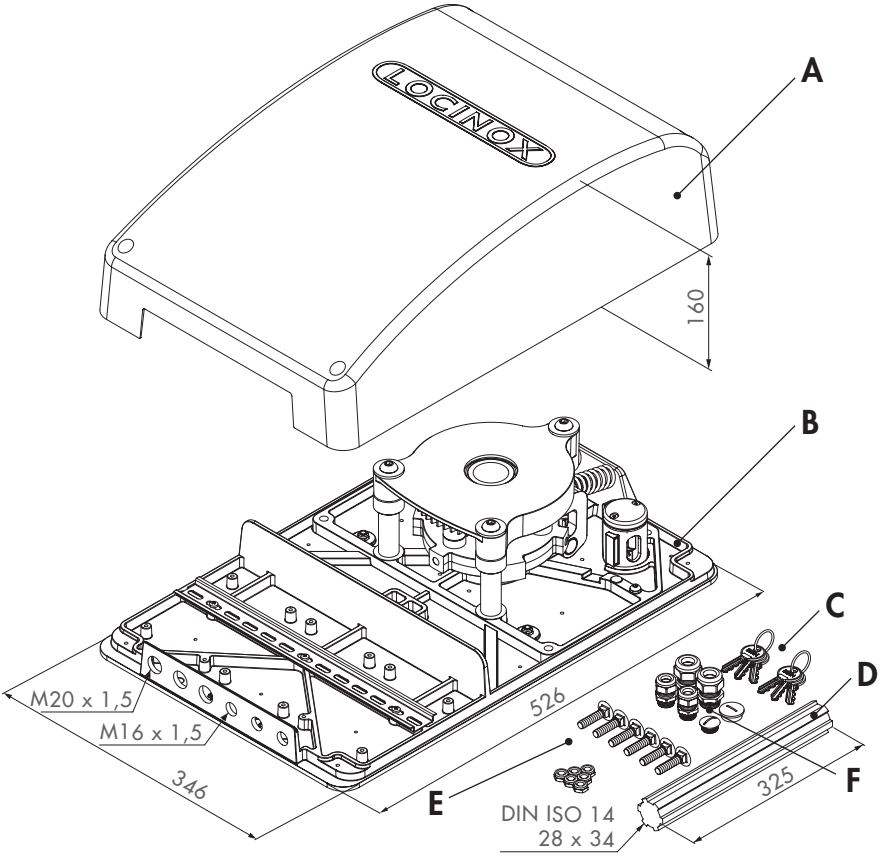
## Manual - English

### 1. Introduction

Thank you for choosing our Locinox Turnitec mechanism. Please read the following instructions thoroughly before installing the mechanism on your turnstile. Enclosed you will find all relevant user information concerning the Turnitec & optional control modules.

### 2. Package contents

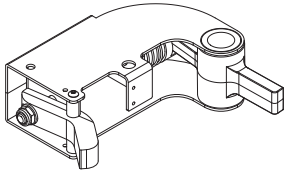
Please check if your package contains the following items:




| | | | |
|---|---|---|---|
| **A** | Cover | **D** | Spline Axis |
| **B** | Base mechanism | **E** | Fixation bolts & nuts |
| **C** | Cylinder keys | **F** | Electrical coupling nuts |

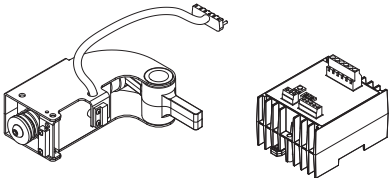
## 3. Optional Turnitec modules

The Locinox (electro)mechanical control unit allows you to easily create a maintenance free and high quality turnstile. You now have an (electro)mechanical unit at your disposal with which you can match the design of your turnstile to the design of your gates!



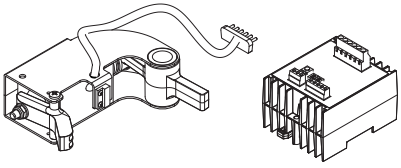
**TT-M34**

Mechanical module



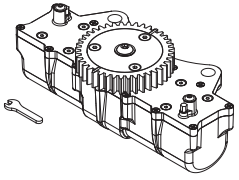
**TT-FO3**

Fail-open electromodule 3-arm



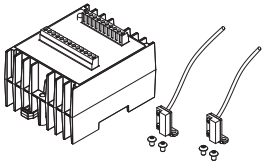
**TT-FC3**

Fail-close electromodule 3-arm



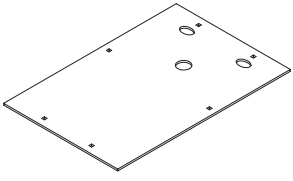
**TT-DM3**

Hydraulic damper



**TT-COUNTER-LIGHT**

Turnitec counter & passing lights module

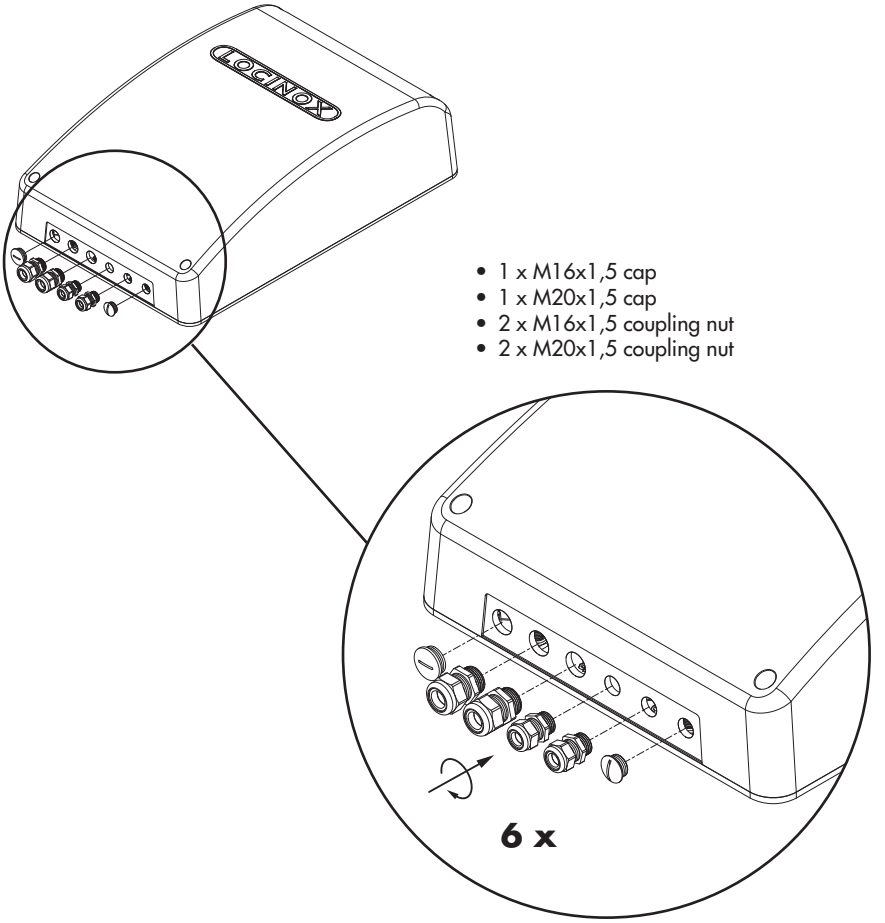


**TT-BSP or TT-SSP**

Welding plate in stainless steel or black steel

## 4. Preparing the base module

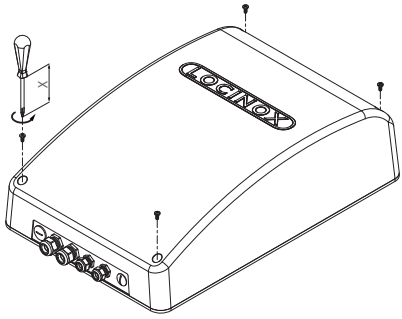
- Screw the included coupling nuts in the base mechanism

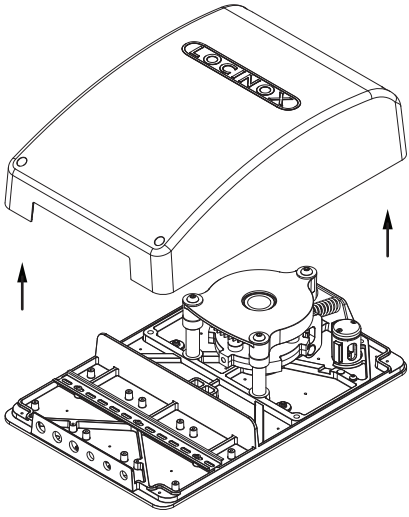


## 5. Installing optional accesscontrol modules

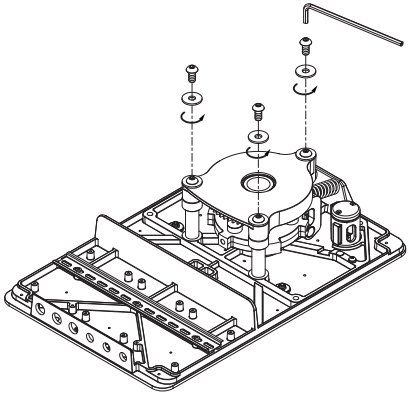
- Loosen the cover with a screwdriver, and open it

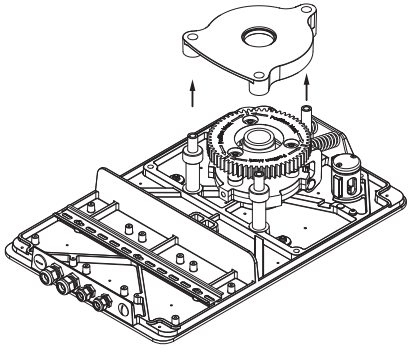
X = Min. 115 mm



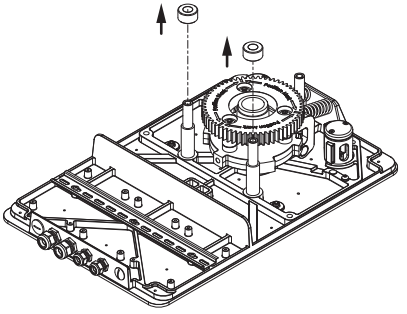




- Loosen the top chassis bolts, and remove them





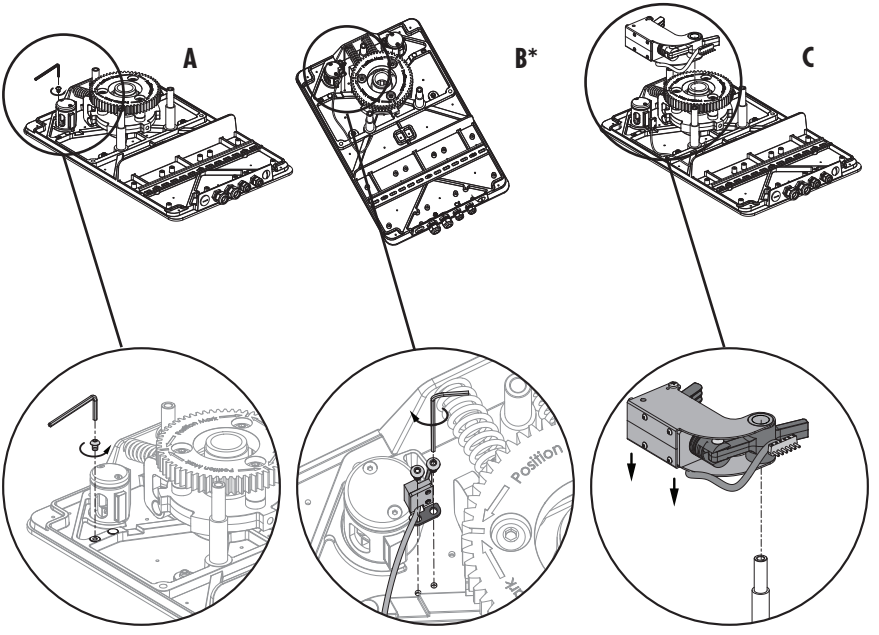
- Remove the spacing tubes: The base mechanism is now ready for optional modules



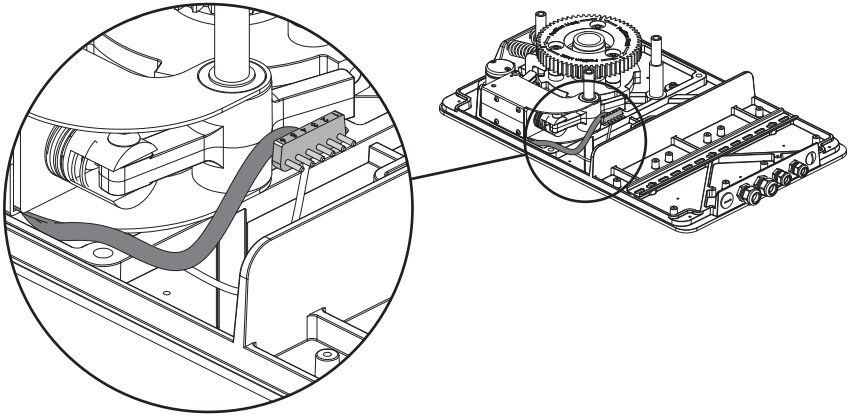
## 6. Installing a clockwise module

- If no clockwise module is needed, go to step 8 (Installing a counterclockwise module)
- Loosen the fixation bolt and slide the module over the axis

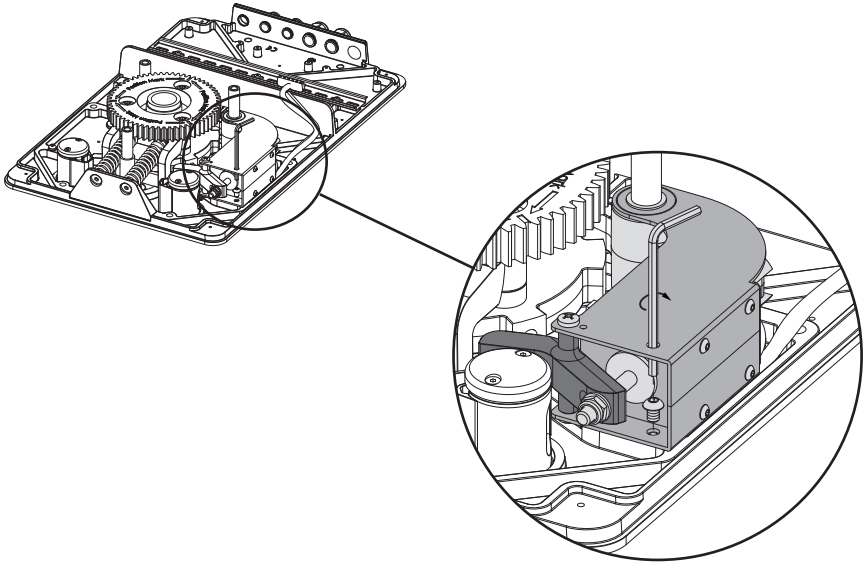
***ATTENTION - STEP B:**
Installing the reed contact: **only applies when a TT-COUNTER-LIGHT is needed**. If you do not install a TT-COUNTER-LIGHT module then please go to step C.



- Make sure not to squeeze the cable (only with the electromechanical module) !

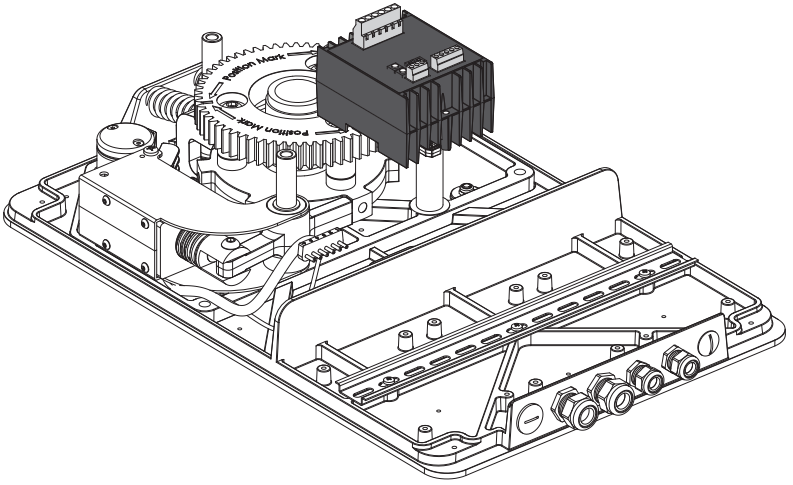


- Secure the clockwise module

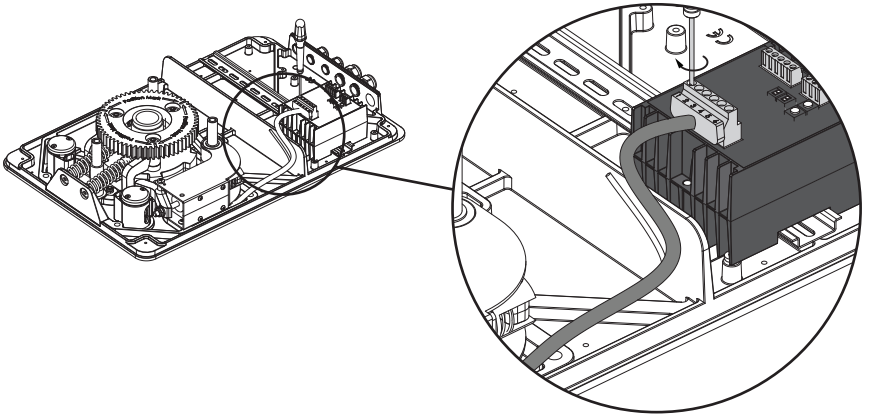


## 7. Installing and connecting an electrical control unit

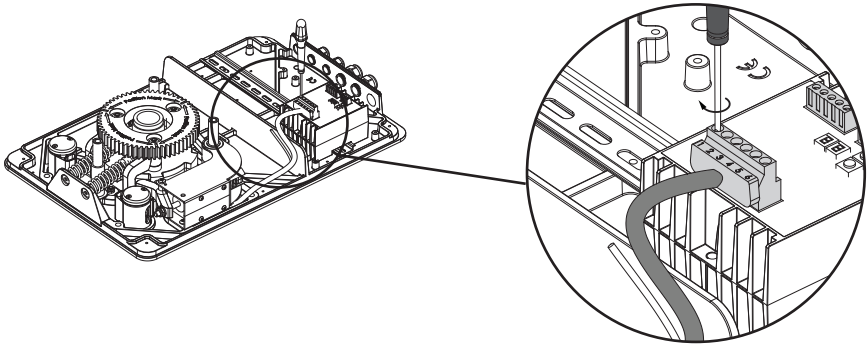
- Applies only for the TT-FO3 and TT-FC3. If no electrical control unit is needed go to step 8: Installing a counterclockwise module.
- Install the control unit on the dinrail.




- Connect the clockwise module with the control unit.

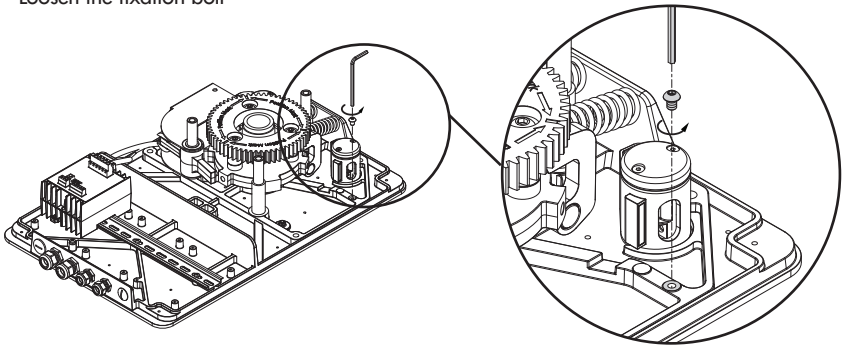


- Plug in the cable and make sure to tighten all six screws. Make sure the numbers on the control unit correspond to the numbers on the connector.

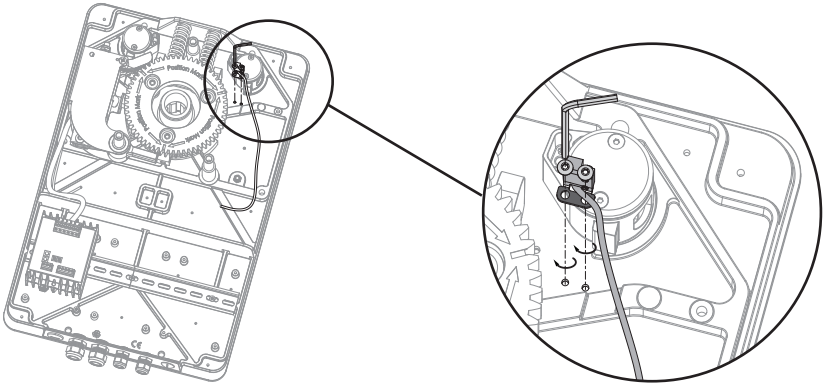


## 8. Installing a counterclockwise module

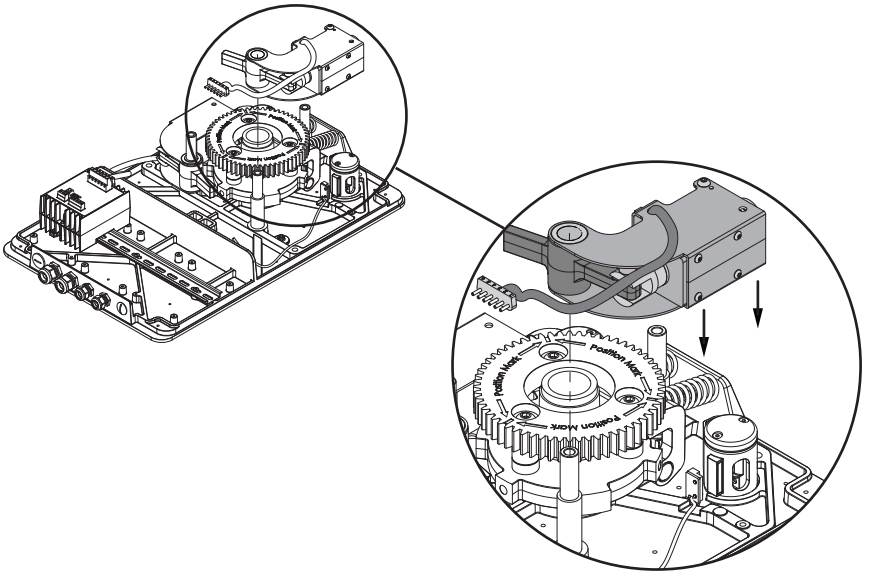
- If no counterclockwise module is needed, go to step 11: Installing the damper.
- Loosen the fixation bolt



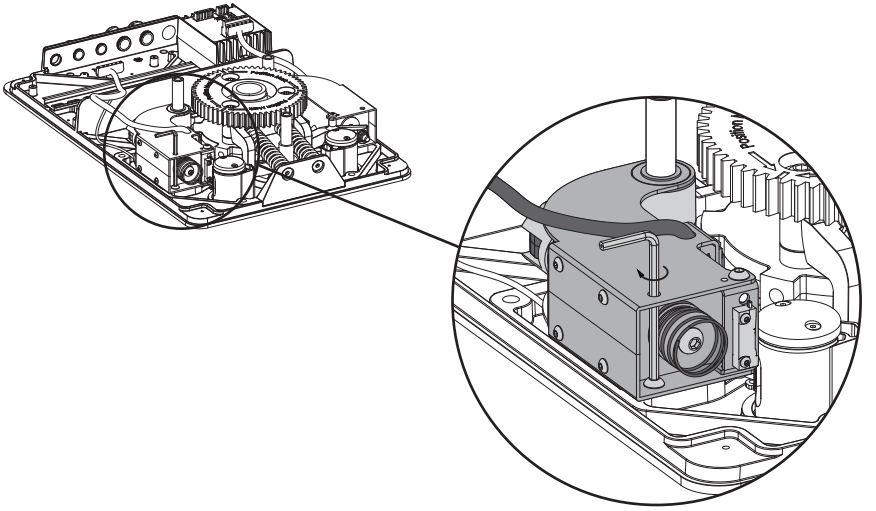
- execute this step only if you need a TT-COUNTER-LIGHT module. If not then skip to the next step.



- Slide the counterclockwise module over the axis.

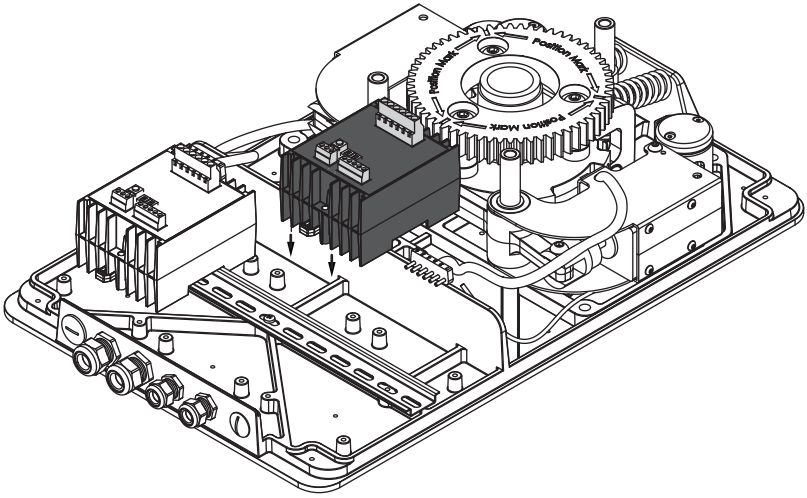



- Tighten the fixation bolt of the counterclockwise module

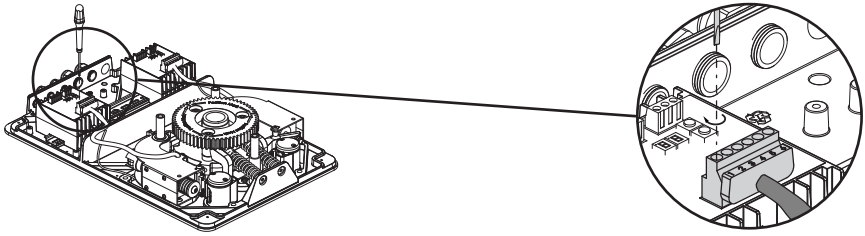


## 9. Installing and connecting an electrical control unit

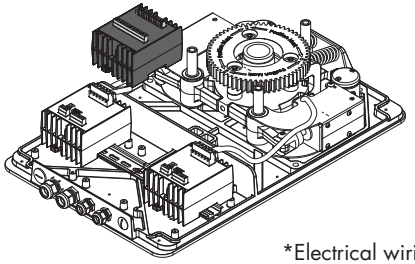
- Applies only for the TT-FO3 and TT-FC3. If no electrical control unit is needed go to step 11: Installing the damper.
- Installation of the unit on DIN rail.

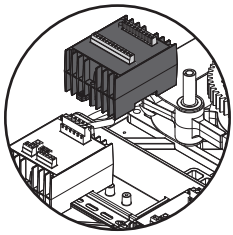



- Connect the clockwise module with the electrical control unit & tighten the screws



## 10. Installing and connecting a TT-COUNTER-LIGHT module on dinrail

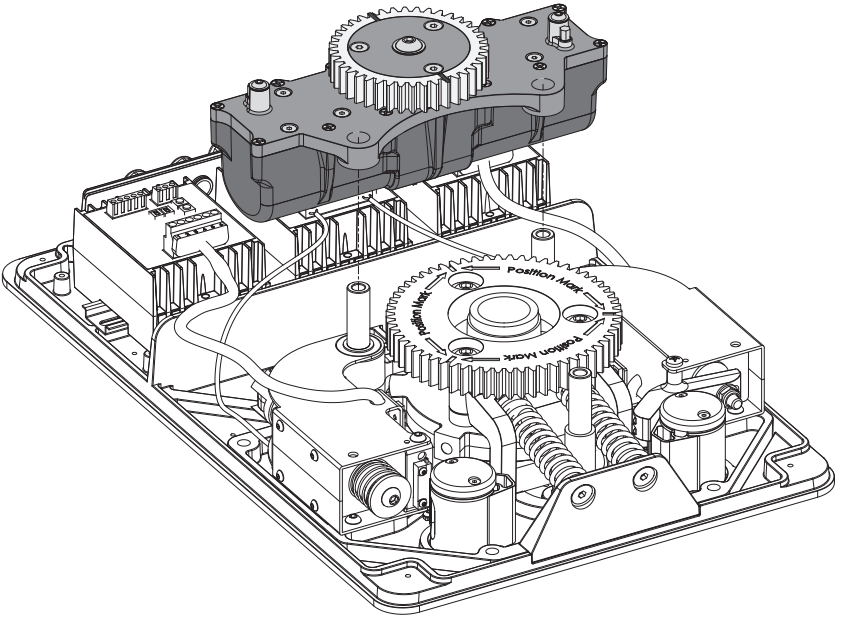




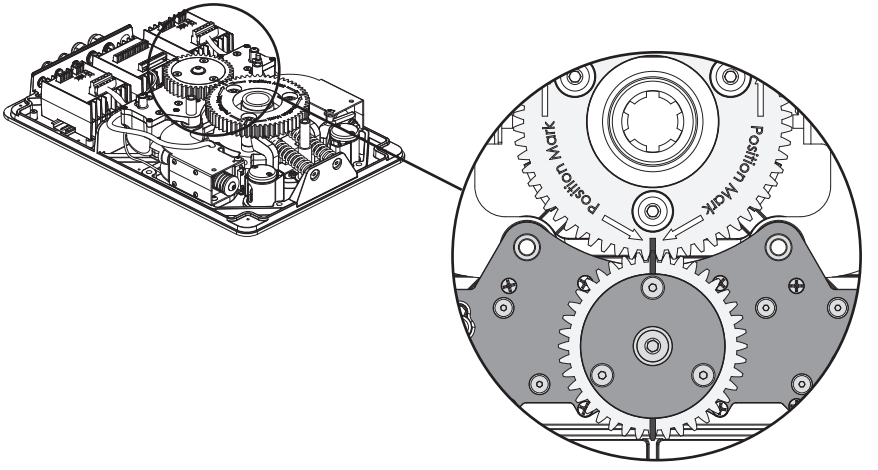
*Electrical wiring : page 21

## 11. Installing a damping module

- If no damping module is needed, go to step 12 (Closing the base mechanism)
- Slide the damping module over both axes

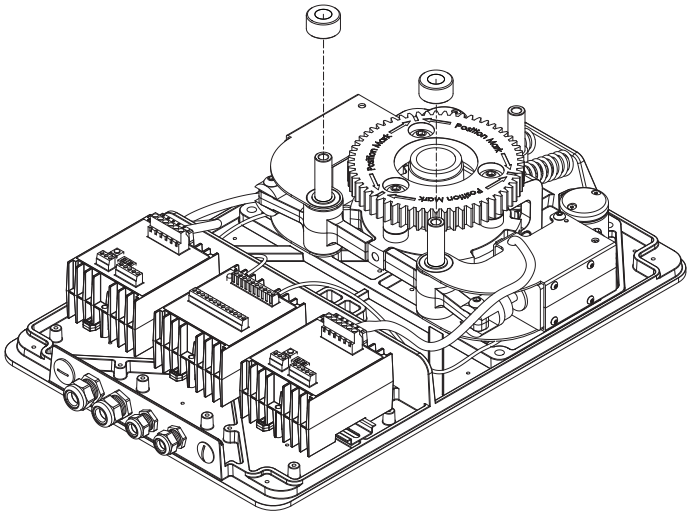



- Pay attention to the position marks on the gear wheels

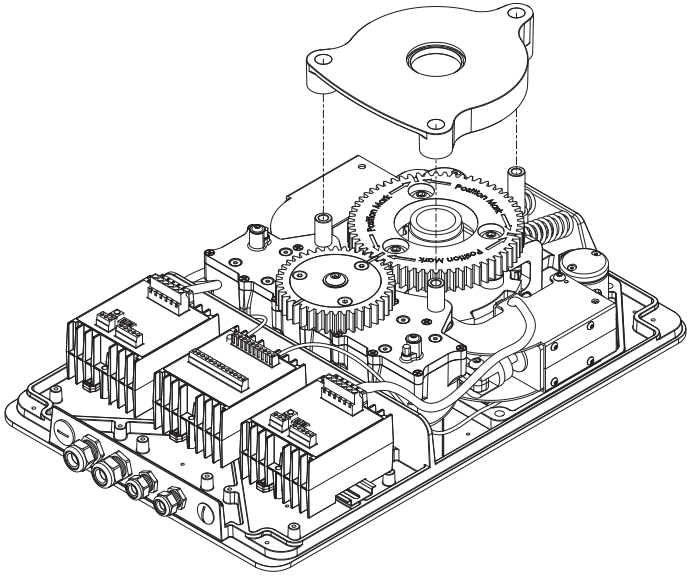


## 12. Closing the base mechanism

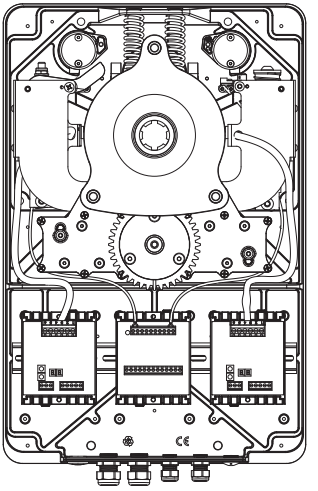
- Make sure to put the spacing tubes back in place **if no damping module** is installed



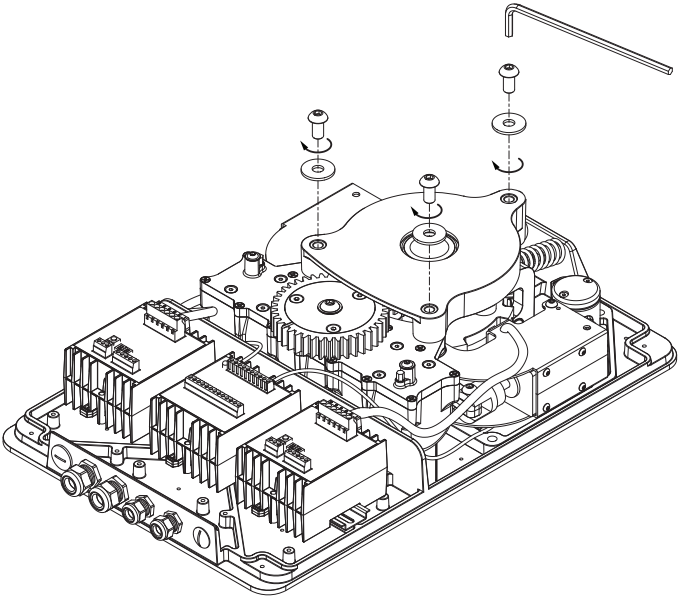

- Damping module situations (No spacing tubes needed)



- Check the concentricity between the bearing and the blocking disk (Due to spring tension, the allignment of these 2 components can differ)

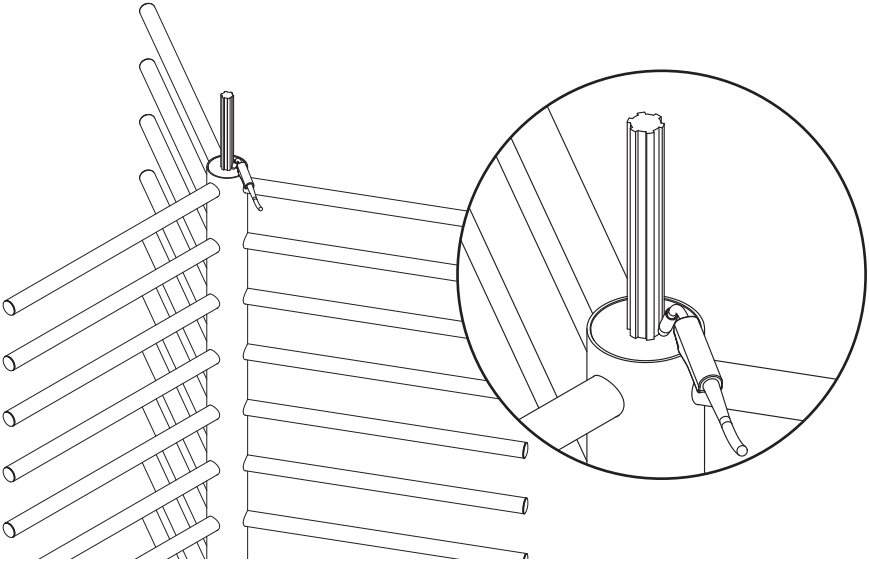


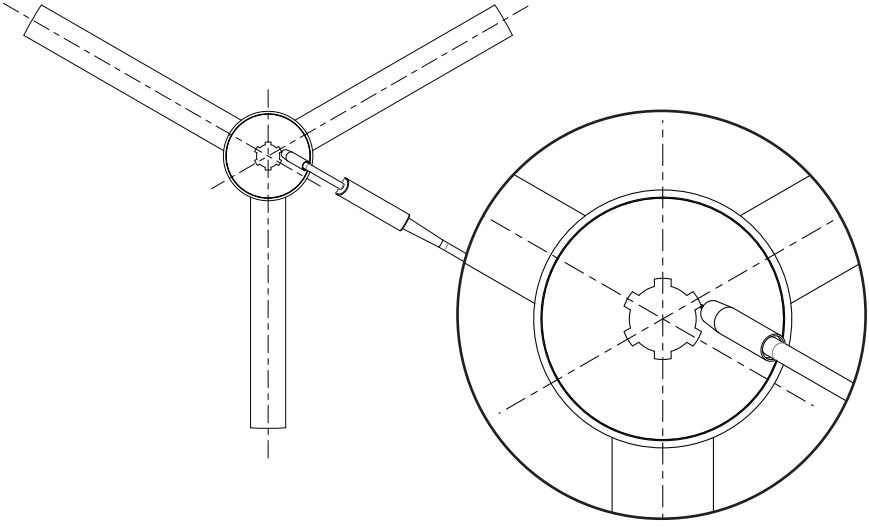
- Be sure the top chassis is mounted correctly before screwing it down.



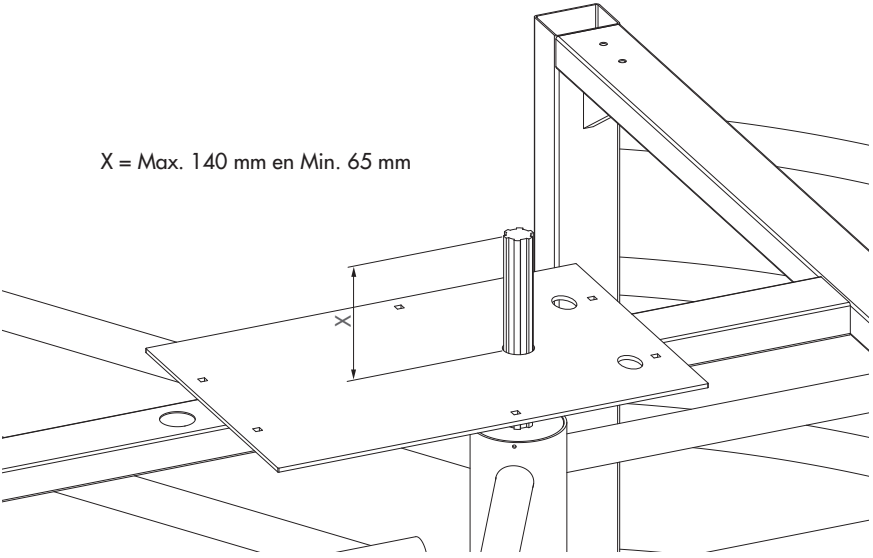
## 13. Welding the spline axis

- Alignment of the spline axis regarding the rotor



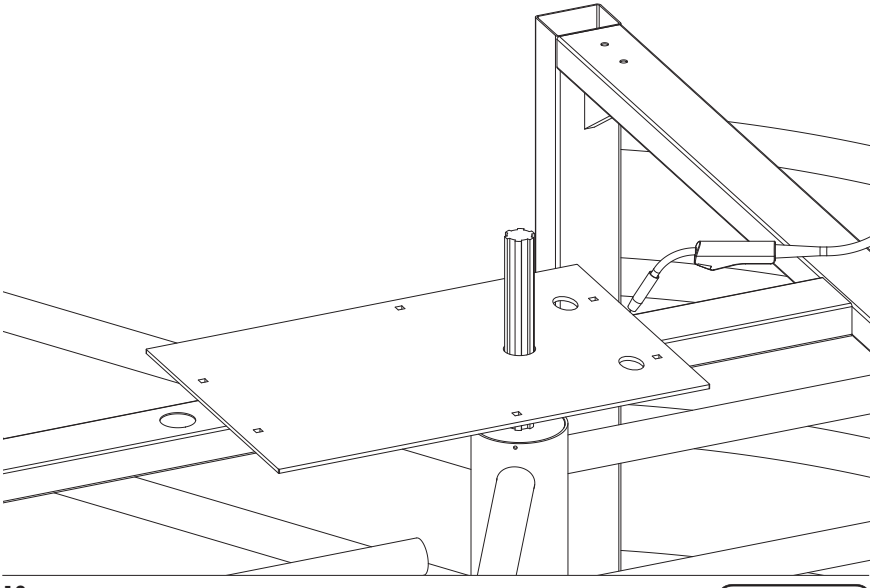


- Length of the spline axis above the welding plate

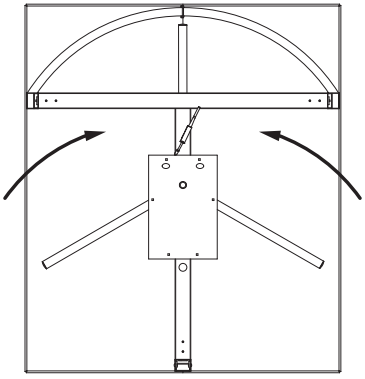



## 14. Welding the baseplate

- If you choose not to use a Locinox welding baseplate (TT-BSP or TT-SSP). Go to step 15

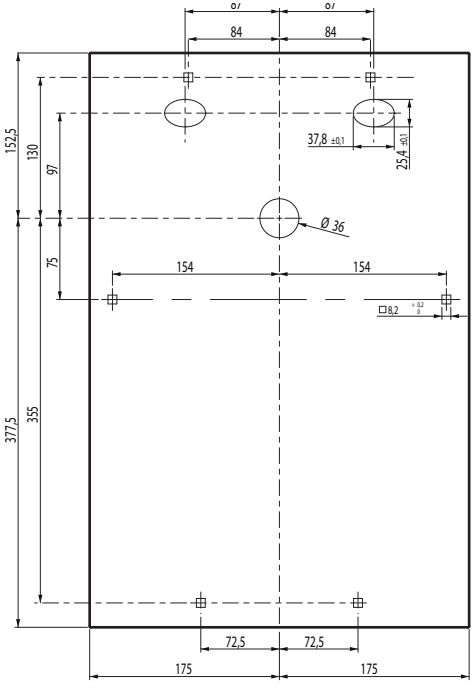


- The oval holes need to be directed to the passenger side.
- Align the base steel plate with respect to the rotor (Long side parallel to the rotor arm)



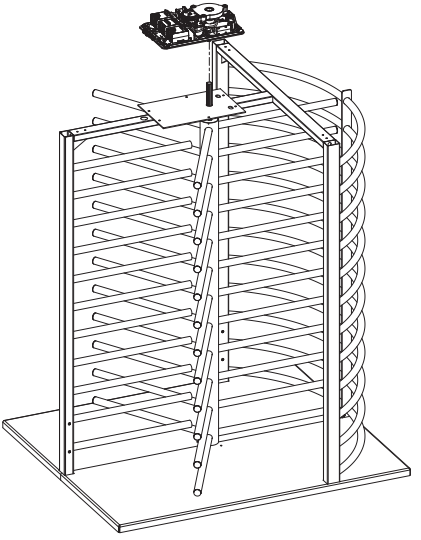
## 15. Fixation & drilling pattern

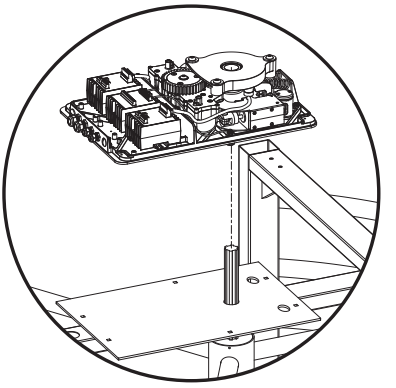
- Prepare your own turnstyle baseplate for the Locinox Turnitec mechanism TT-BM3.
- Fixation and drilling pattern when not working with the TT-BSP or TT-SSP.



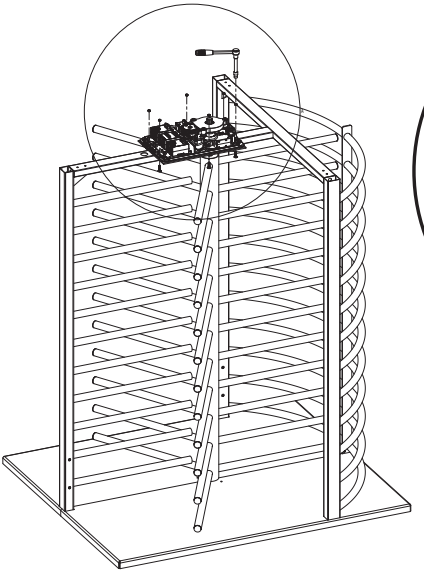
## 16. Mounting the mechanism

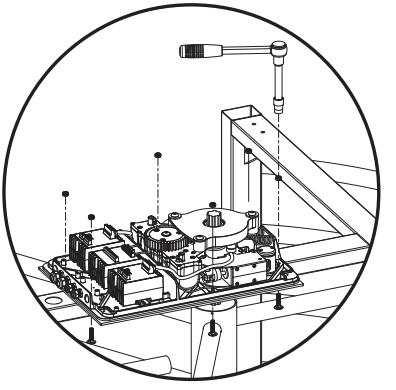
- Slide the mechanism over the spline axis





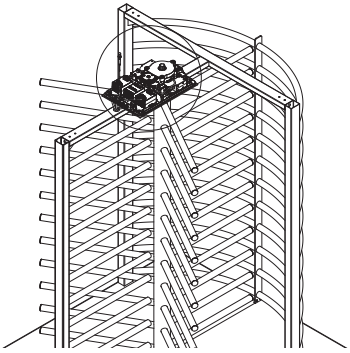
- Attach the mechanism to the welding plate

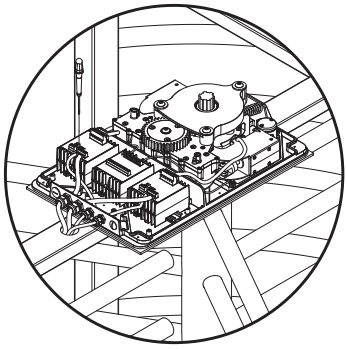




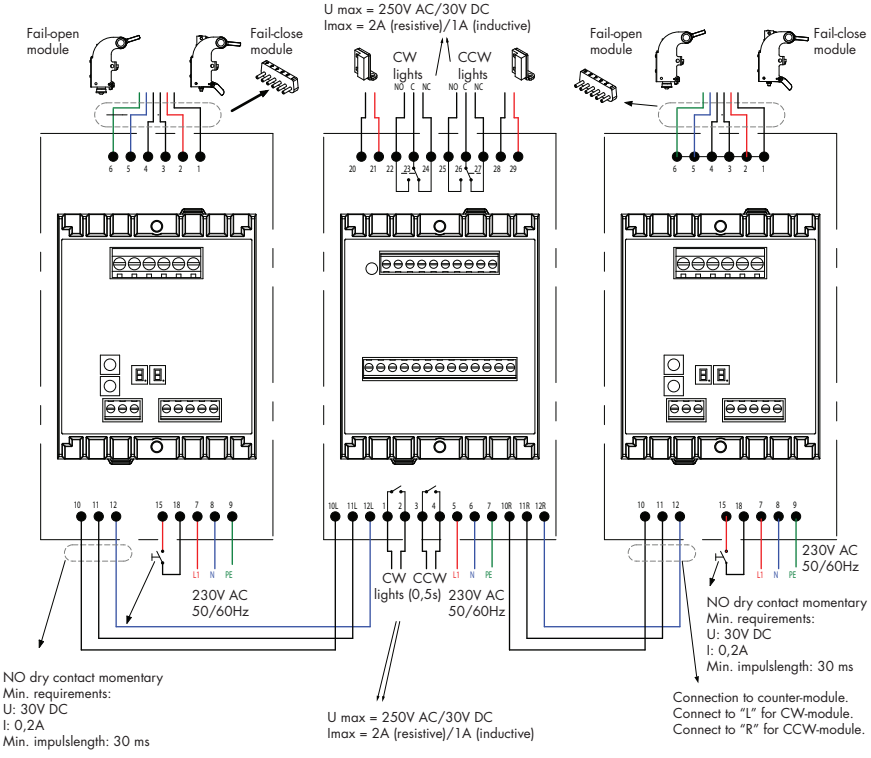
## 17. Electrical wiring

- Connect the control unit(s) according to electrical scheme



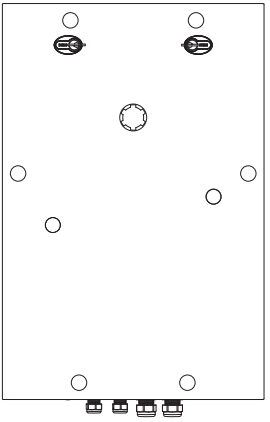


- Electrical control scheme



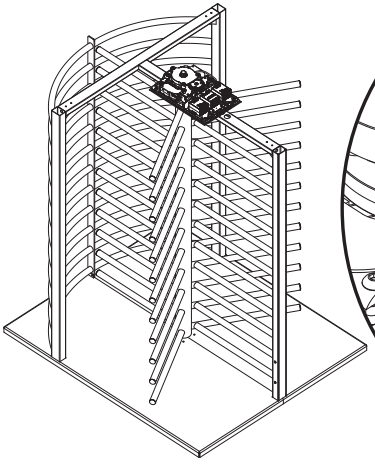
## 18. Mechanical override of the control modules

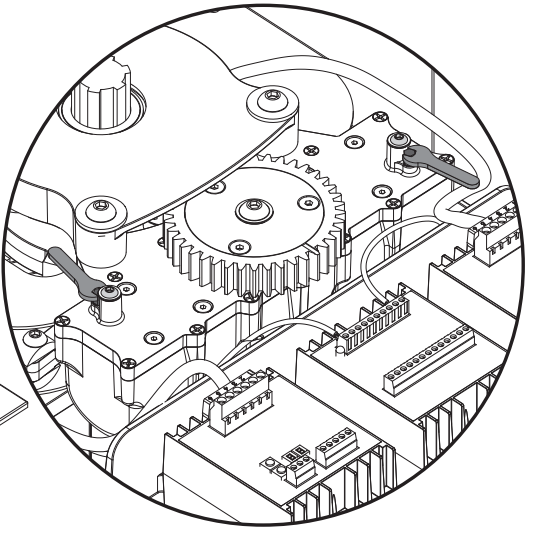
- By means of the cylinders its possible to unlock a direction of the turnstile when working with the control modules (TT-M34 / TT-FO3 / TT-FC3).
- The cylinders have no function when no optional modules are installed.



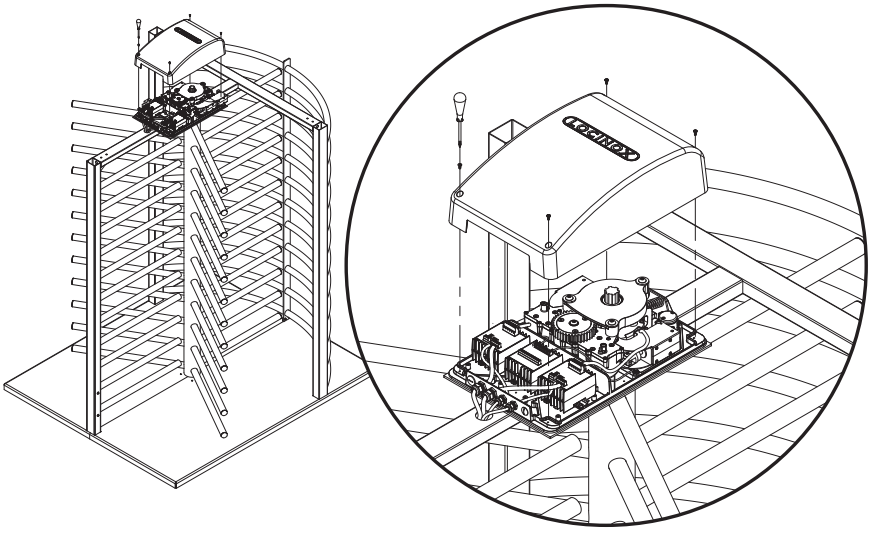

## 19. Adjusting damping action

- Due to the internal construction of the damper, there are 2 screws that control the damping action.

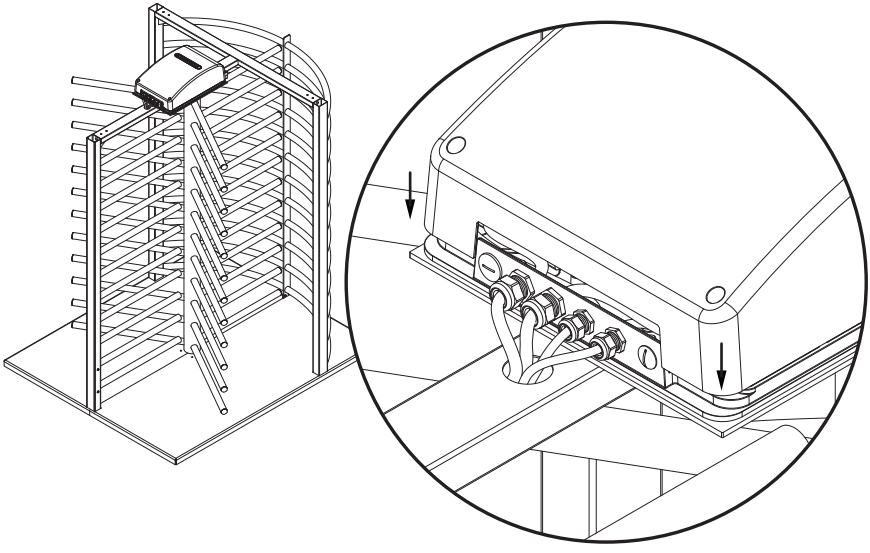




**20. Screw the cover back in place**



- Make sure the that the rib fits the corresponding groove in the cover

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