1.3.12 "Driving preferences" menu

Foreword - "Driving preferences" menu

The **"Driving preferences"** menu allows you to adjust all the settings for the use of the **Joysticks**.

For each movement you can select the delinearization type, the minimum speed, and the maximum speed.

For the slewing movement, you can activate counter-slewing and select the counter-slewing type.

For the hoisting movement, you can activate the "Speed feedback" function.

Delinearization - "Driving preferences" menu

You can adjust the sensitivity of the **Joysticks** for all movements.

Six types of delinearization are available:

- Default settings: .
  The default settings are settings defined as ideal.
  - Hoisting mechanism: preset speed.
  - Slewing mechanism: proportional speed.
  - Trolleying mechanism: proportional speed.
- Preset speeds .
  The range of inclination of the **Joysticks** is broken down into five speeds or notches.
- Proportional delinearization .
  The speed of the mechanism is proportional to the inclination of the **Joysticks**.
- Steep delinearization.
  Steep delinearization results in "smooth" driving, with greater precision.
  As the driver begins to incline the **Joystick**, the acceleration is very gradual, with the speed of the mechanism being very weak, before then accelerating more rapidly toward the end of the inclination of the **Joystick**.
- Weak delinearization.
  Weak delinearization results in "responsive" driving, where the operation of the mechanisms is more dynamic.
  As the driver begins to incline the **Joystick**, the acceleration is rapid, with the speed of the mechanism being relatively fast immediately.
- Mixed delinearization .
  Mixed delinearization allows greater smoothness of control when tensioning slings and setting down loads.
  Initially, the speed of the mechanism is proportional to the inclination of the **"Joystick"**, with the speed subsequently accelerating in steps, equivalent to notches.

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Counter-slewing - "Driving preferences" menu

You can select a type of counter-slewing:

- **Counter-slewing deactivated** : When the **"Joystick"** is released or when a counter-slewing command is issued, the jib of the crane slows down in the same proportions as the acceleration. The issuing of a counter-slewing command has no effect on the deceleration angle.
- **"All or nothing" counter-slewing** : When a counter-slewing command is issued, the deceleration angle of the crane jib is reduced.
- **"Proportional" counter-slewing** : When a counter-slewing command is issued, the deceleration will be proportional to the angle applied on the **"Joystick"**.

Minimum and maximum speeds - "Driving preferences" menu

You can set the minimum speed and maximum speed for each type of movement.

Setting range for minimum speed:

Technical data
0 % to 30 %

Setting range for maximum speed:

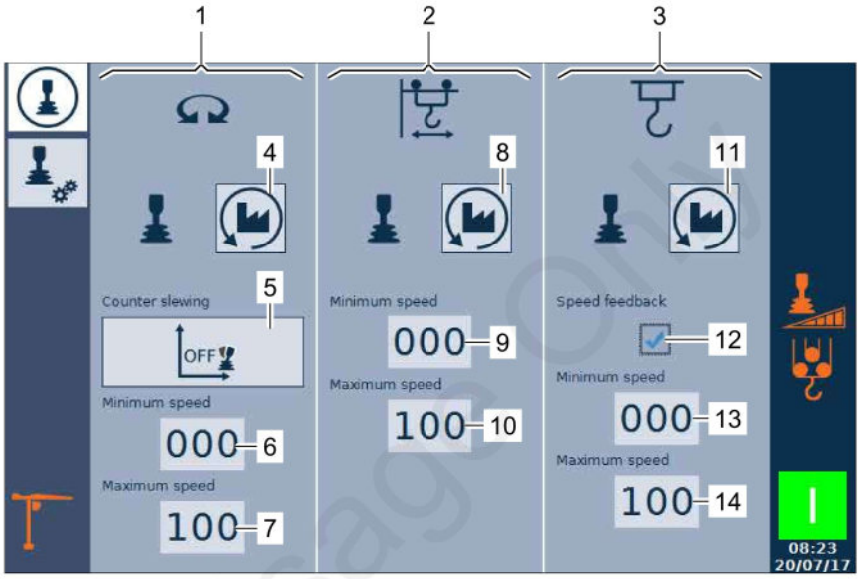
Technical data
50 % to 100 %

"Speed feedback" function - "Driving preferences" menu

The **"Speed feedback"** function makes the right **"Joystick"** vibrate during hoisting and lowering movements at low speed. The frequency of the vibrations is proportional to the speed of movement.

This function acts as an aid for precision driving. It gives the driver a better feel for the movement at very low speeds.

Overview of the "Driving preferences" menu screen



Zone **(1)** displays the settings for slewing movement.

Zone **(2)** displays the settings for trolleying movement.

Zone **(3)** displays the settings for hoisting movement.

Zone **(4)** displays the delinearization type for slewing movement.

Zone **(5)** displays the counter-slewing type for slewing movement.

Zone **(6)** displays the adjustable minimum speed for slewing movement.

Zone **(7)** displays the adjustable maximum speed for slewing movement.

Zone **(8)** displays the delinearization type for trolleying movement.

Zone **(9)** displays the adjustable minimum speed for trolleying movement.

Zone **(10)** displays the adjustable maximum speed for trolleying movement.

Zone **(11)** displays the delinearization type for hoisting movement.

Zone **(12)** displays the status of the "Speed feedback" function for the hoisting movement.

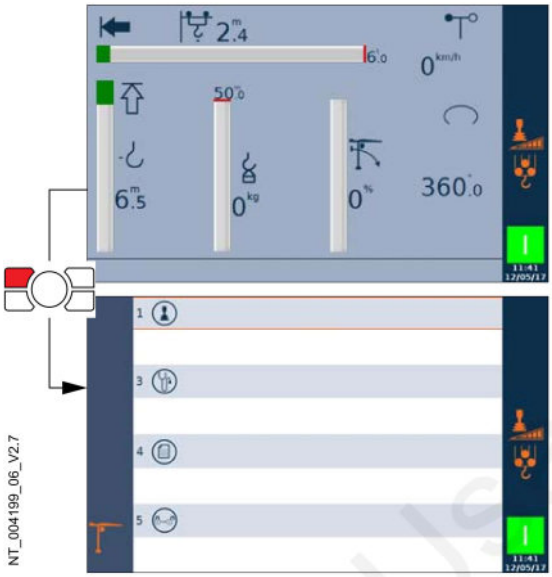
Zone **(13)** displays the adjustable minimum speed for hoisting movement.

Zone **(14)** displays the adjustable maximum speed for hoisting movement.

Setting the "Joysticks preferences"

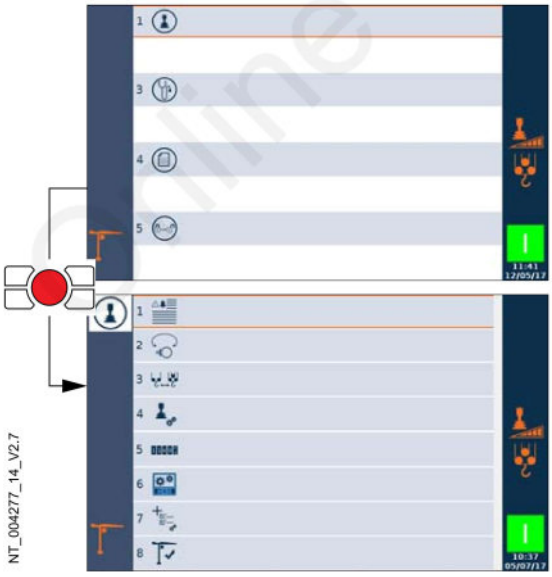
Procedure

Access to the "Sections" screen



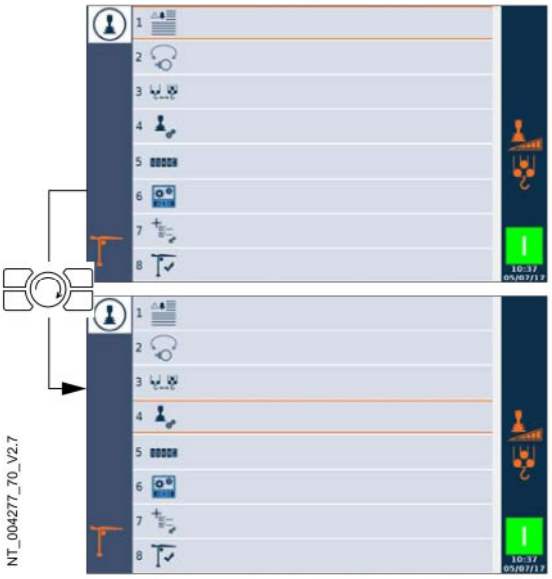
1. Press the **"ESC"** key on the **Jog Dial**.
   ◁ The **"Sections"** screen appears on the **CCS Display**.

Accessing the "1 - Driving" section

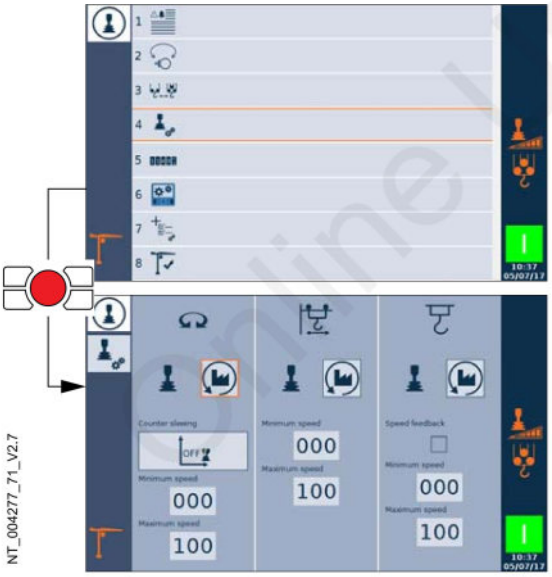


2. Press the **"Confirmation"** key on the **Jog Dial**.
   ◁ The **"1 - Driving"** section is displayed.

Accessing the "4 - Driving preferences" menu

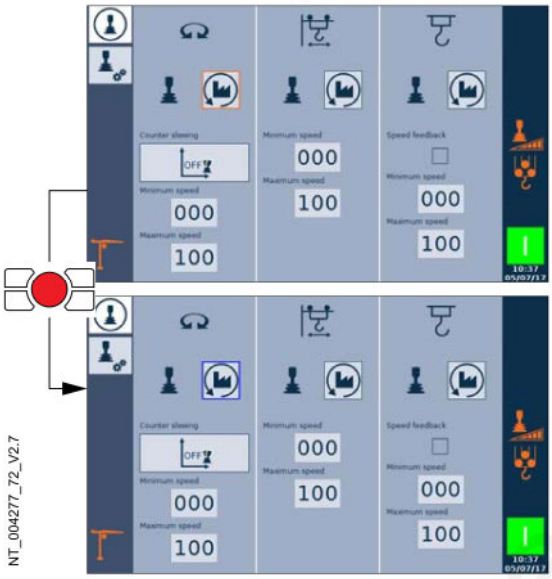


3. Use the **Jog Dial** to select the **"4 - Driving preferences"** menu.

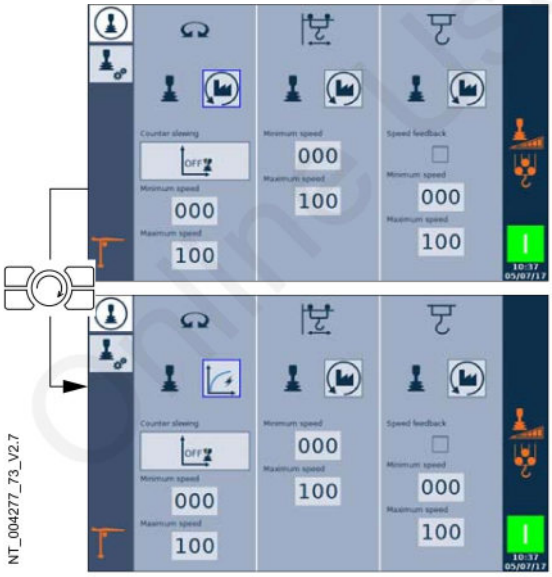


4. Press the **"Confirmation"** key on the **Jog Dial**.
   ◁ The **"4 - Driving preferences"** menu will be displayed with the parameter for slewing movement delinearization preselected.

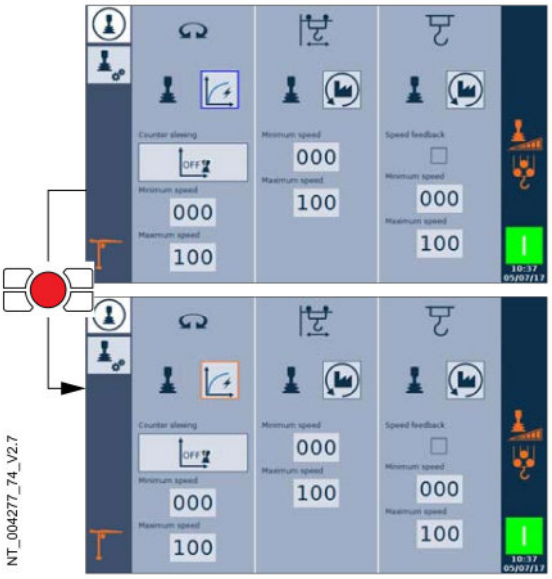
Choosing the type of slewing movement delinearization



5. Press the confirmation key on the **Jog Dial**.
   ◁ The slewing movement delinearization setting is selected.



6. Use the **Jog Dial** to select the type of delinearization desired ➠ page 1-36.



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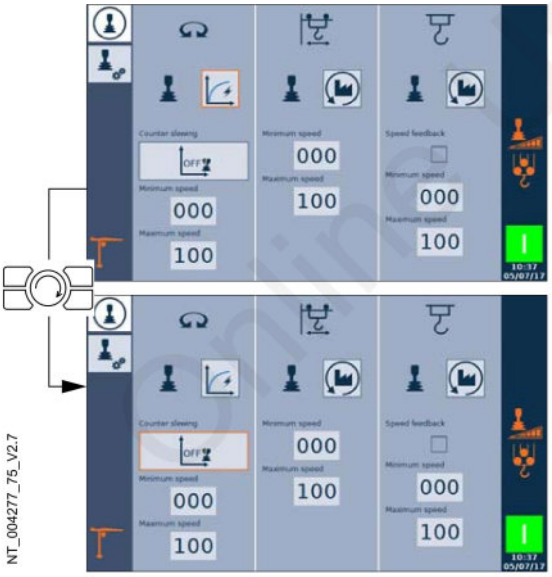
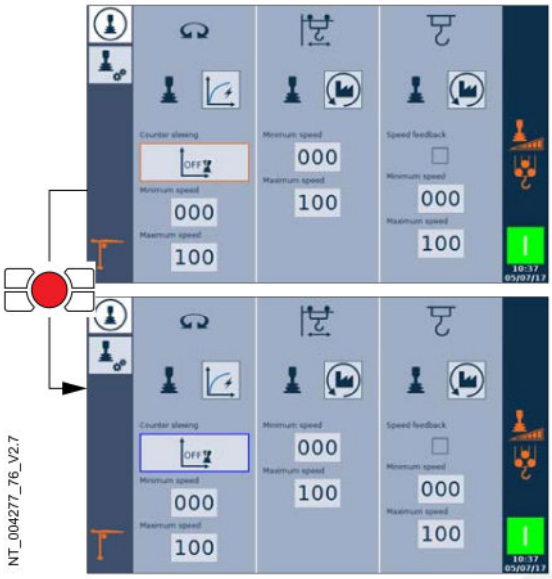
7. Press the confirmation key on the **Jog Dial**.
   ◁ The new delinearization type is confirmed.

Choosing the counter-slewing type

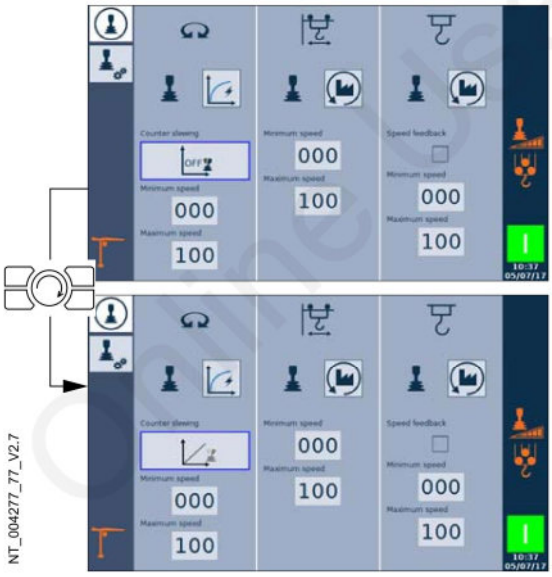


NT_004277_75_V2.7

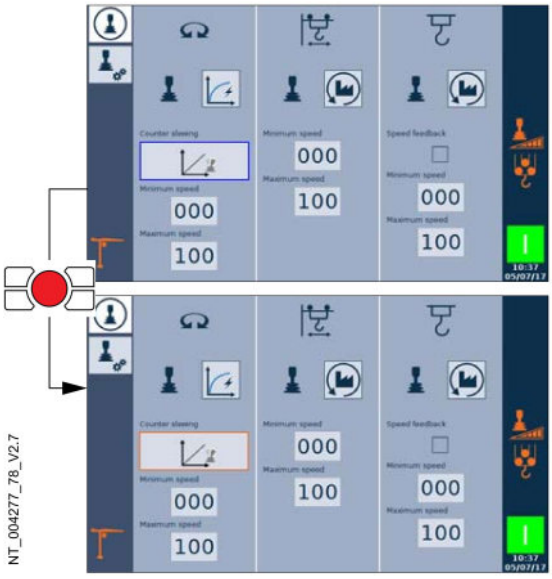
8. Use the **Jog Dial** to select the counter-slewing parameter.



9. Press the confirmation key on the **Jog Dial**.
   ◁ The counter-slewing parameter is selected.

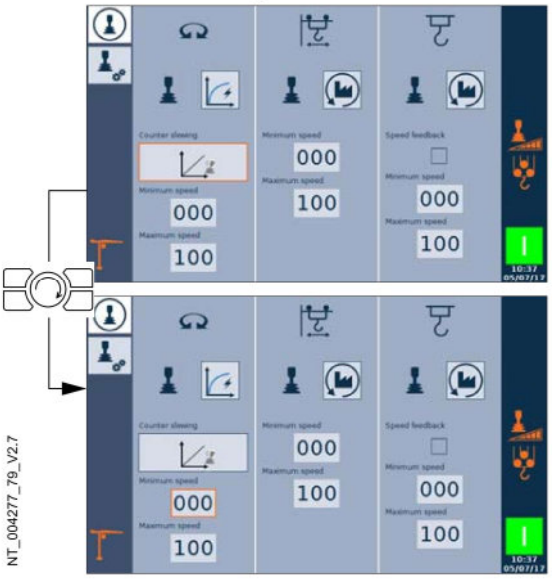


10. Use the **Jog Dial** to select the type of counter-slewing desired ➠ page 1-37.



11. Press the confirmation key on the **Jog Dial**.
   ◁ The new counter-slewing type is confirmed.

Setting the minimum and maximum speeds for slewing movement

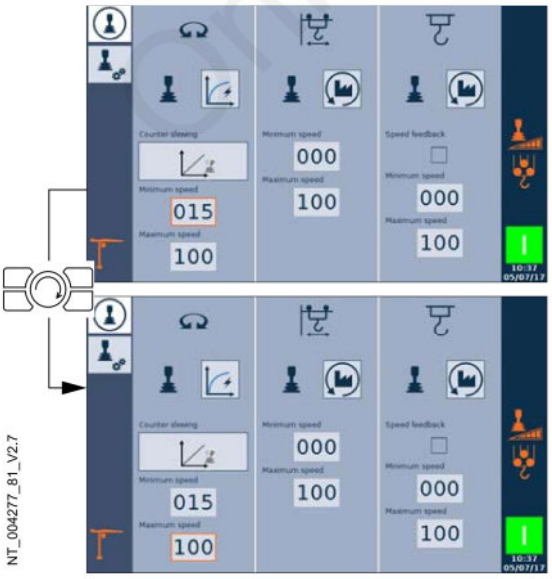


NT_004277_79_V2.7

12. Use the **Jog Dial** to select the setting for the minimum speed of the slewing movement.

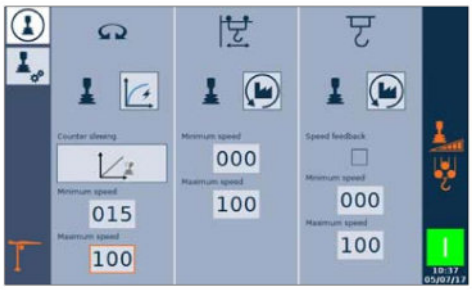
NT_004277_80_V2.7

13. Enter the desired value ➠ page 1-22 for the minimum speed of the slewing movement ➠ page 1-37.



NT_004277_81_V2.7

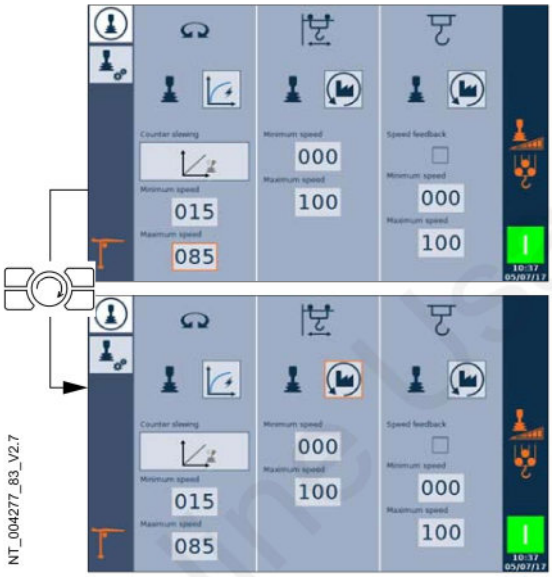
14. Use the **Jog Dial** to select the setting for the maximum speed of the slewing movement.



NT_004277_82_V2.7

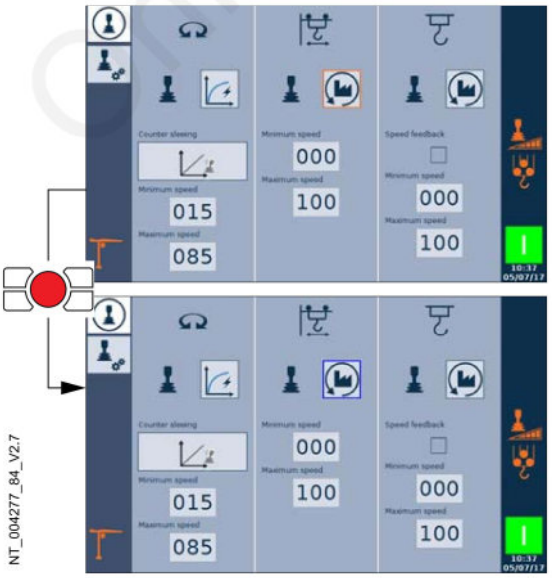
15. Enter the desired value ➠ page 1-22 for the maximum speed of the slewing movement ➠ page 1-37.

Choosing the type of trolleying movement delinearization



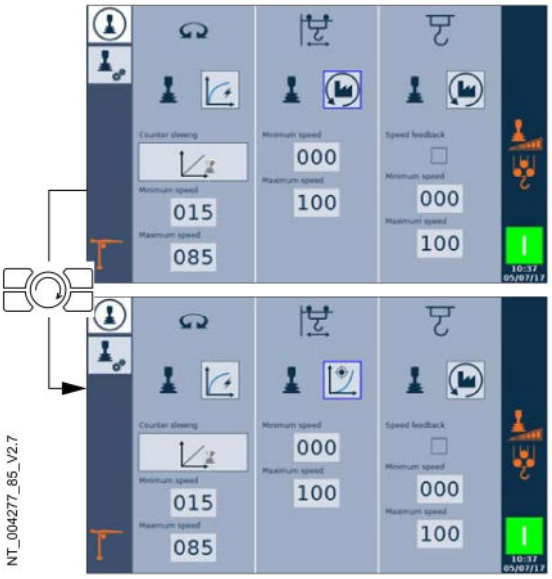
NT_004277_83_V2.7

16. Use the **Jog Dial** to select the parameter for trolleying movement delinearization.



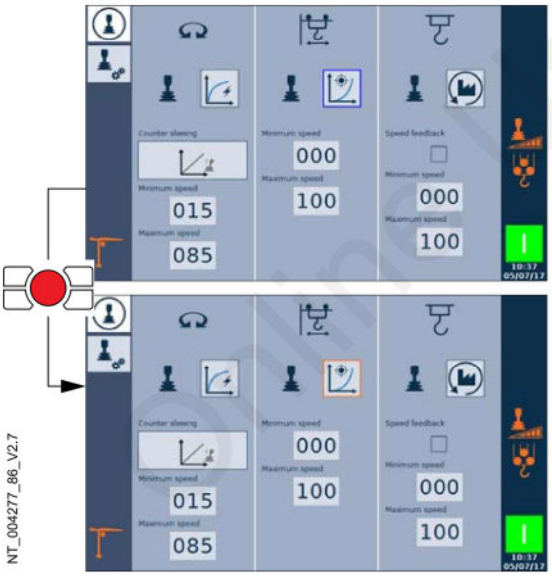
NT_004277_84_V2.7

17. Press the confirmation key on the **Jog Dial**.
    ◁ The parameter for trolleying movement delinearization is selected.



NT_004277_85_V2.7

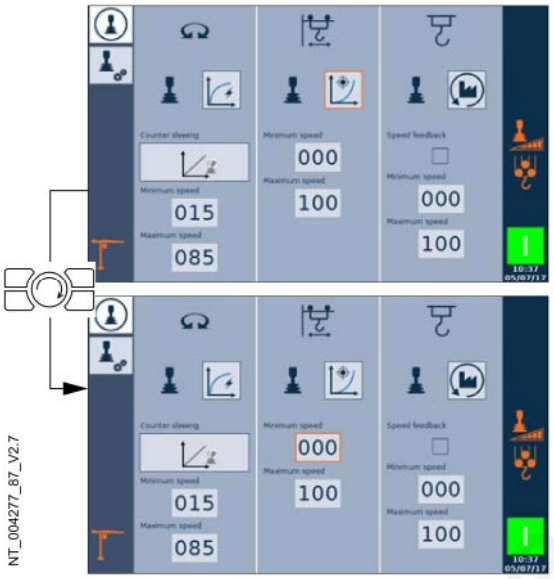
18. Use the **Jog Dial** to select the type of delinearization desired ➠ page 1-36.



NT_004277_86_V2.7

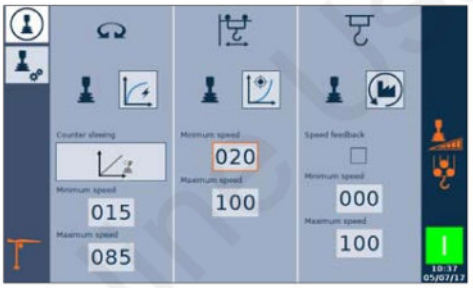
19. Press the confirmation key on the **Jog Dial**.
◁ The new delinearization type is confirmed.

Setting the minimum and maximum speeds for trolleying movement



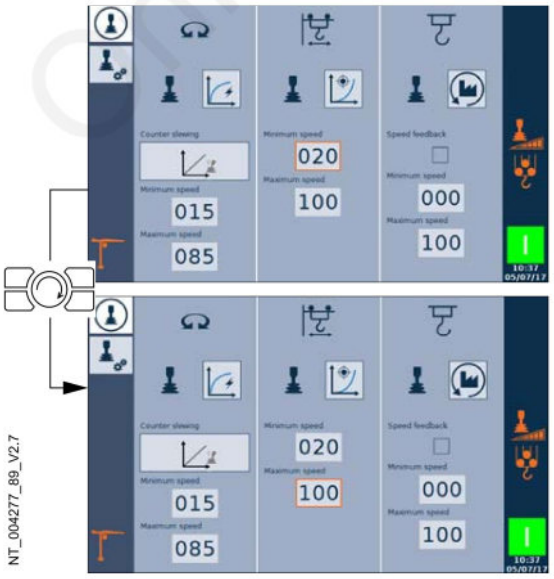
NT_004277_87_V2.7

20. Use the **Jog Dial** to select the setting for the minimum speed of the trolleying movement.



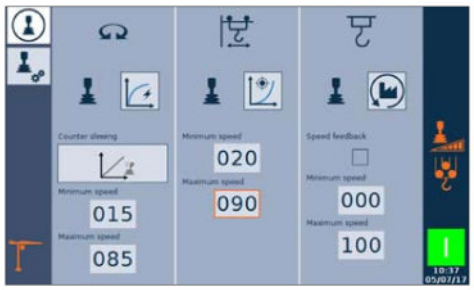
NT_004277_88_V2.7

21. Enter the desired value ➠ page 1-22 for the minimum speed of the trolleying movement ➠ page 1-37.



NT_004277_89_V2.7

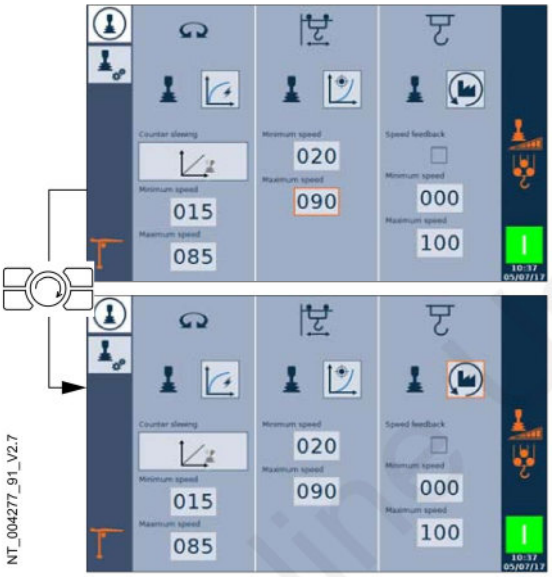
22. Use the **Jog Dial** to select the setting for the maximum speed of the trolleying movement.



NT_004277_90_V2.7

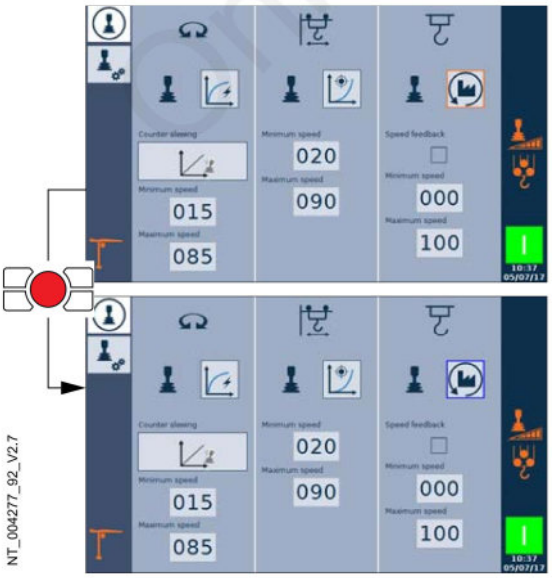
23. Enter the desired value ➠ page 1-22 for the maximum speed of the trolleying movement ➠ page 1-37.

Choosing the type of hoisting movement delinearization



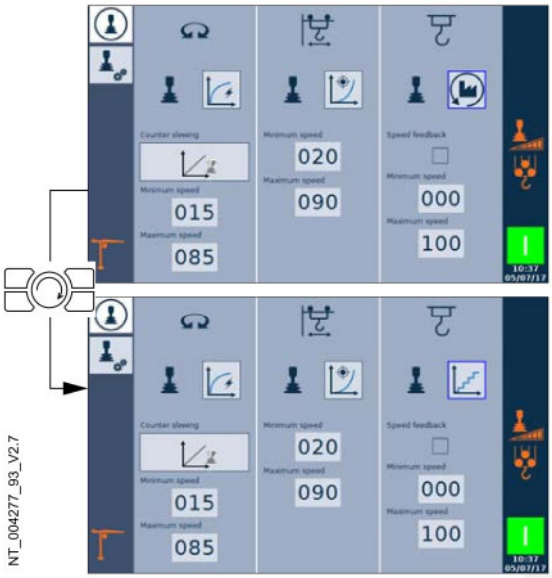
NT_004277_91_V2.7

24. Use the **Jog Dial** to select the parameter for hoisting movement delinearization.



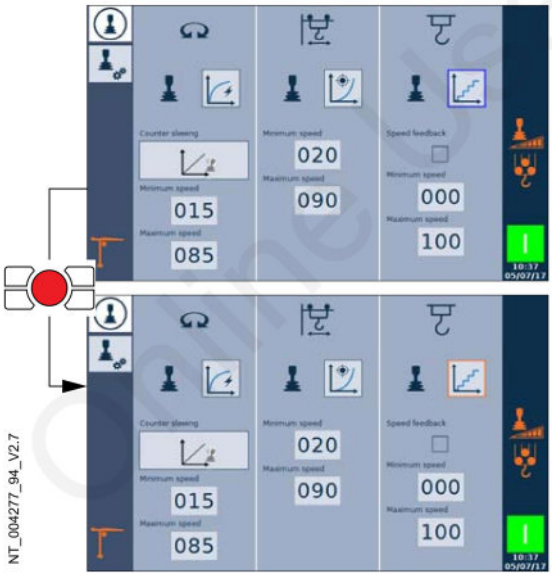
NT_004277_92_V2.7

25. Press the confirmation key on the **Jog Dial**.
    ◁ The parameter for hoisting movement delinearization is selected.



NT_004277_93_V2.7

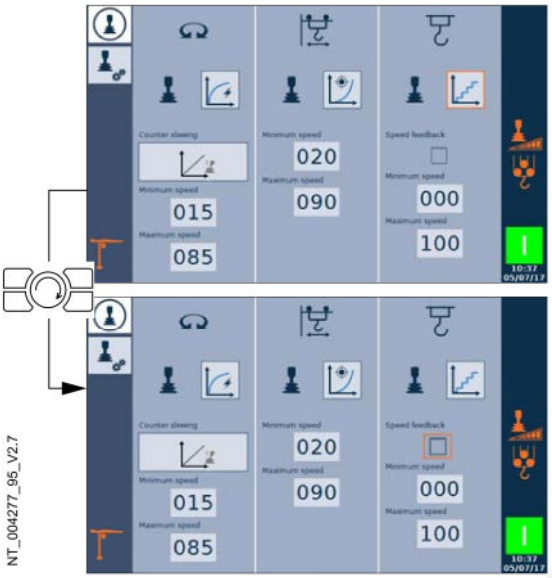
26. Use the **Jog Dial** to select the type of delineariza-tion desired ➠ page 1-36.



NT_004277_94_V2.7

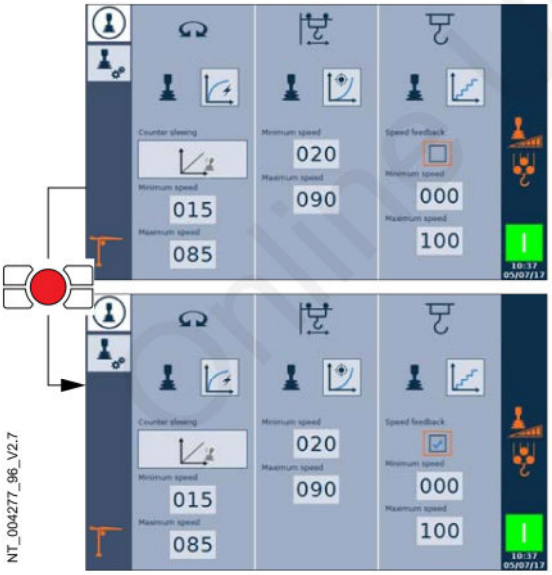
27. Press the confirmation key on the **Jog Dial**.
    ◁ The new delinearization type is confirmed.

Activation/deactivation of the "Speed feedback" function for the hoisting movement



NT_004277_95_V2.7

28. Use the **Jog Dial** to select the parameter for activation/deactivation of the "Speed feedback" function for the hoisting movement.

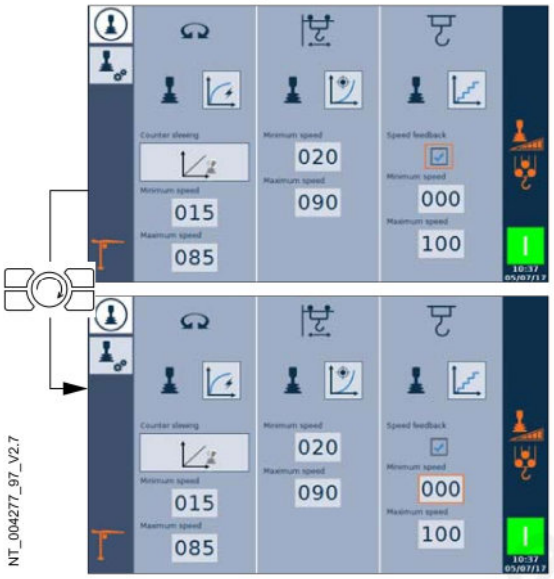


NT_004277_96_V2.7

29. Press the confirmation key on the **Jog Dial**.
    ◁ The "Speed feedback" function for the hoisting movement is activated.

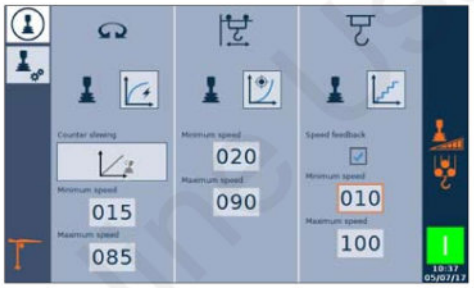
> **Note**
> To deactivate the "Speed feedback" function, press the confirmation key on the **Jog Dial** again.

Setting the minimum and maximum speeds for hoisting movement



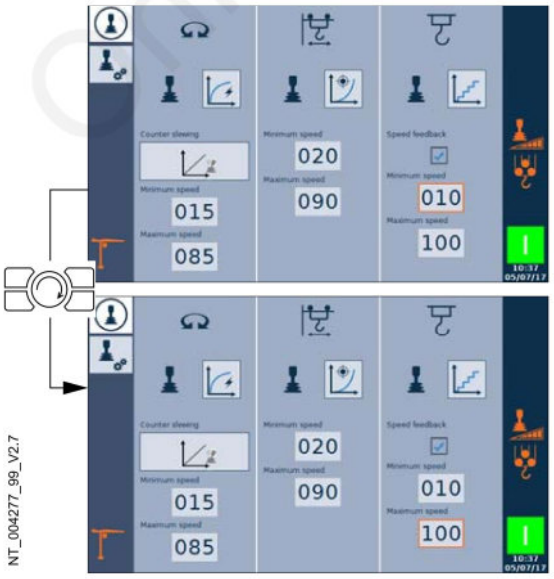
NT_004277_97_V2.7

30. Use the **Jog Dial** to select the setting for the minimum speed of the hoisting movement.



NT_004277_98_V2.7

31. Enter the desired value ➠ page 1-22 for the minimum speed of the hoisting movement ➠ page 1-37.



NT_004277_99_V2.7

32. Use the **Jog Dial** to select the setting for the maximum speed of the hoisting movement.