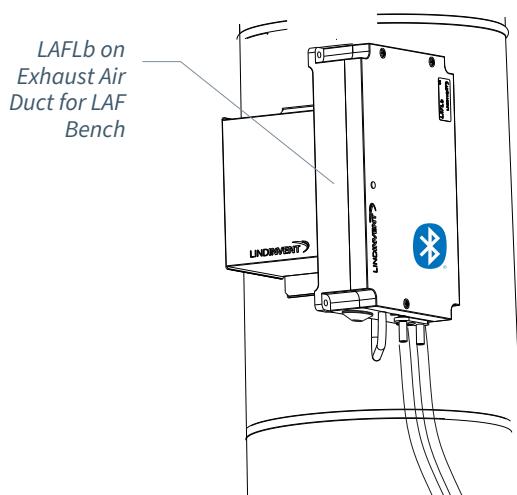


**Prerequisites**

- The regulator is expected to be connected to 24 VAC + CAN.
- The LAFLb is equipped with Bluetooth® and can be commissioned via the LINDINSIDE mobile app. A user account with the appropriate permissions for the building is required for the app. The app can be downloaded from Google Play/App Store. A link to the software can be accessed by scanning the attached QR code.

**Commissioning**

Follow the instructions below. Once a control unit has been assigned the intended Node ID, the final settings can be made either on-site via the "Quick setup" screen in LINDINSIDE or centrally via LINDINTELL/LINDINSPECT®.

**Attachment with Control Parameters**

The control parameters for the LAFLb are the same as for previous versions of LAFL. See the attached document for a presentation of the status screen and the full set of control parameters for LAFLb and LAFL.



*Smartphone with LINDINSIDE App  
For communication with devices  
from Lindinvent equipped with  
Bluetooth®.*



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**COMMISSIONING WORKFLOW VIA LINDINSIDE**

(See the next page for instructions with screenshots from LINDINSIDE)

**1. Pull down to scan for nearby devices:**

- Select the correct control unit from the list
- By calling the device via the clock icon, a beep sound with a blue blinking light is emitted, which can be used to identify the device.

**2. Set (change) Nod-ID\*:**

Select the Node ID field for the intended device in the list of scanned devices. Enter the unique Node ID between 1-239 assigned to the regulator according to Lindinvent's recommended assignment. \*After assignment: It is advisable to scan again to verify that the device's Node ID has been updated correctly. When assigning Node IDs to a large number of devices, the "Set nodeIDs" function can be used.

**3. Connect to the device:**

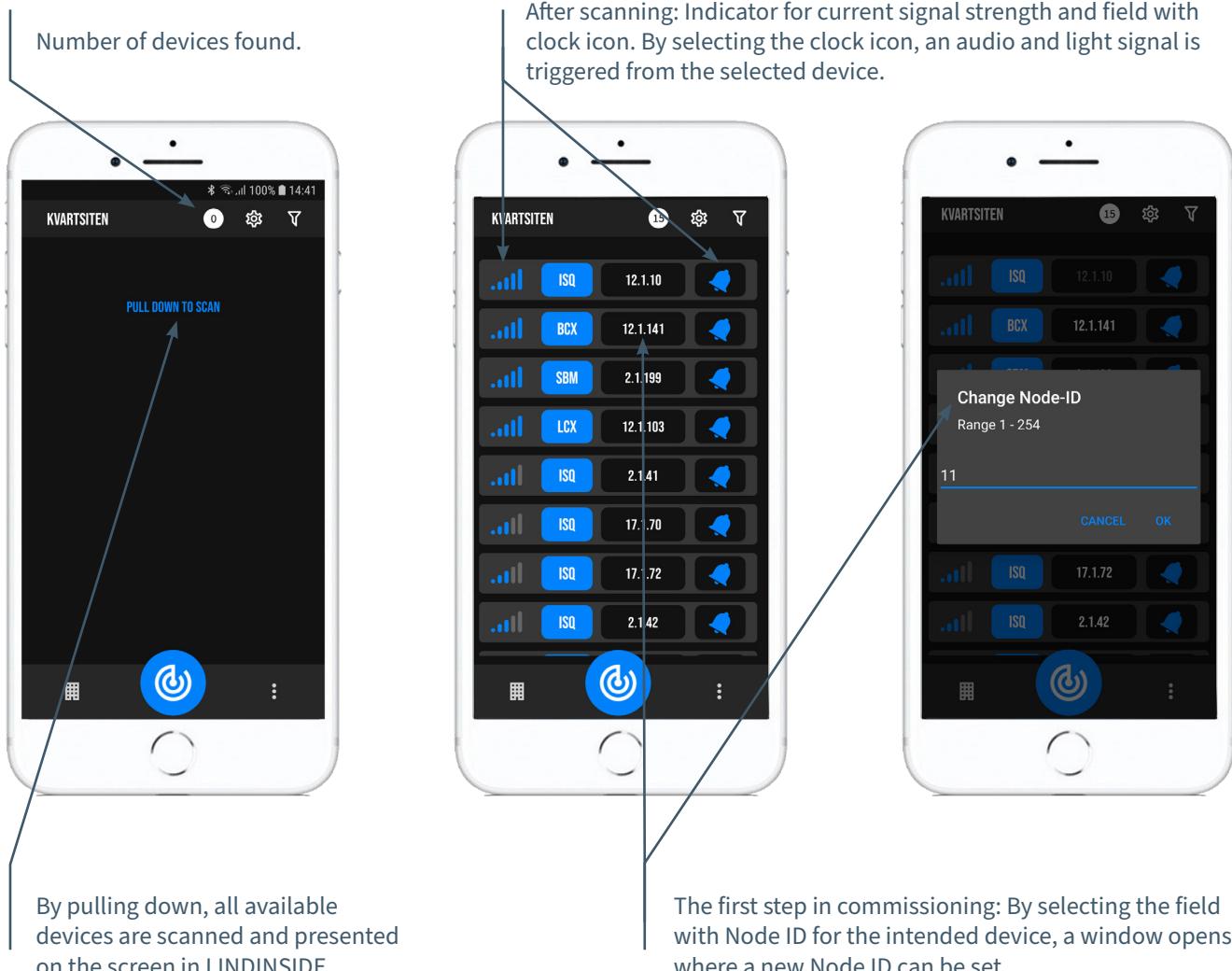
Tap the field for the device's product name in the list of scanned devices to connect.

**4. Complete commissioning via Quick Setup screen:**

- Perform a damper motor test (Manual motor control)
- Check that the damper is fully open.  
Confirm the position.
- Check that the damper is fully closed.  
Confirm the position.
- Enter Pressure SP (Note: Negative for vacuum)  
The LAFLb is delivered with a pressure setpoint of 6 Pa, which can be a suitable level for a draught interruption.

After completing the Quick Setup, the regulator is configured with other control parameters set to default values.

## Setting Nod-ID via LINDINSIDE



## Available via LINDINSIDE

**Status Values**

After selecting a scanned device: A selection of status values for ongoing regulation is displayed on the home screen. Available screen options via the app's home screen.

**Available screen options via the app's home screen**

- Quick setup
- Symbols
- History
- System
- Peripherals

**About the Symbols Screen**

Via Symbols, all settings are grouped for easy access.

## Status Screen and Menu

This attachment presents the status screen with selected values and the entire menu structure of settings in LAFL. The set of control parameters is identical for the LAFL and LAFLb regulators.

**NOTE:** All settings for the LAFLb regulator can be accessed from LINDINSIDE via the Symbols screen.

Settings are shown with factory default values; see comments and notes for guidance. The reported menu structure with parameter list applies from software version LAFL\_LAFLb\_6.0.0.

## Login

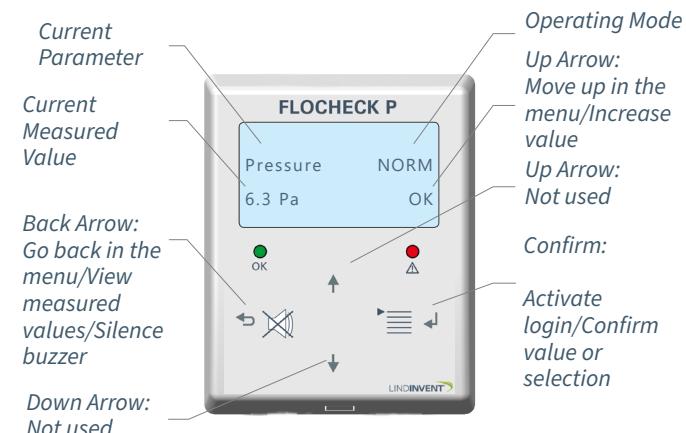
- LAFL: Directly to the control unit only via the DHP user panel or via the fixed user panel FLOCHECK P. The control unit can also be accessed via CAN from the LINDINTELL Remote tool.
- LAFLb: The control unit can be accessed via CAN from the LINDINTELL Remote tool.

LAFLb: The control unit can be accessed via CAN from the LINDINTELL Remote tool.

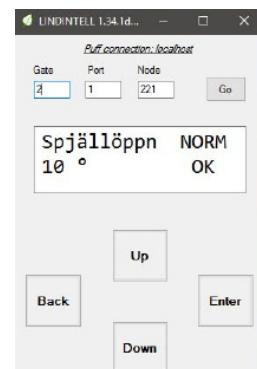
For operating FLOCHECK P: See the specific instructions.

For operating LINDINSIDE: See the commissioning instructions for LAFLb.

**NOTE:** Reading status values on LAFL does not require login. Changing settings requires login.



Available for both LAFL and LAFLb: User panel FLOCHECK P. See the user information for LAFL for a description of alarms and operation during use.



Both LAFLb and LAFL:  
Screenshot from connecting to the regulator via network connection and the LINDINTELL Remote tool.

## Status Screen

Selected measured values can be displayed on the screen without prior login.

Only LAFL: via screen on a directly connected DHP.

Only LAFLb: via the start screen in LINDINSIDE.

LAFL and LAFLb: The status screen can alternatively be accessed either via a fixed connected DISPLAY (FLOCHECK P) or via CAN from the LINDINTELL Remote tool.

Vacuum Measurement in Draught Interruption on LAF Bench:

Measured Values      Comments

Pressure      Current pressure in Pa

Damper Opening      Damper opening in degrees

Step forward in the playback by repeatedly pressing the <Forward Arrow>.

## Menu Option QUICK SETUP

Access to the regulator's menu structure requires login. All necessary settings for simple commissioning are gathered under the menu option Quick Setup.

Settings under Quick Setup for LAFL and LAFLb:

Displayed in Screen	Comments [Default Value]
Quick Setup	Main Menu Heading
Nod-ID	Enter Nod-ID [211]
Pressure SP	Pressure in Pa [6]
Damper Calibration (Note 10)	Test of motor; find max and min positions

## Presentation av variabler

I tur och ordning som rubrikerna presenteras i huvudmenyn till styrenheten.

<b>Börvärden</b>	<b>Rubrik_2 (Huvudmeny)</b>	<b>Inställningar</b>	<b>Rubrik_5 (Huvudmeny)</b>
Tryck	Tryck i Pa [6]	Nod-ID	1 - 247; [216]; Får ej sättas till 0
<b>Ärvärden</b>	<b>Rubrik_3 (Huvudmeny)</b>	CAN Hastighet (Not 7)	
Tryck	Aktuellt tryck i Pa	Grupper	[0 = ingen grupp tillhörighet] [0 = ingen grupp tillhörighet]
Spjällöppn	Spjällöppning i grader	Grupp 8-1 (Not 8)	[0 = ingen grupp tillhörighet]
Spjällåter	Återkoppling från spjällmotor (V)	Grupp 16-9	[0 = ingen grupp tillhörighet]
In/Ut-signaler	Aktuella signallivåer (V)	Grupp 24-17	[0 = ingen grupp tillhörighet]
AIN1/AIN2		Grupp 32-25	[0 = ingen grupp tillhörighet]
DIN1		Zoner	
AUT1/AUT2		Brand	[0 = ingår ej i brandzon]
		Brandzon	[0]
		Vid zonbrand (Not 9)	[0]
		Vid övbrand (Not 9)	
<b>Inställningar</b>	<b>Rubrik_4 (Huvudmeny)</b>	<b>Kalibrering</b>	<b>Rubrik_6 (Huvudmeny)</b>
Larm		Spjäll (Not 10)	
Larmavvikelse	[4 Pa] Otillåten avvikelse	Hitta max:	[255]
Tid till lar	[10 s] Tid till larm	Hitta min:	[0]
Tid t åter l	Tid till larm återkommer i minuter [20]	LDE (GP1)	
Larmljud	[Ljud från panel Flocheck P]	Tryckvärde	Korrigeras uppmätt tryck i Pa
In/Ut-signaler		LDE korr	[0 %]; korrigeringskoeff. tryck
Insignalen		Prod kalib	Internt Lindinvent
AIN1 till AIN2		<b>System</b>	<b>Rubrik_7 (Huvudmeny)</b>
Funktion (Not 1)	[AIN1:spjäll]; [AIN2; Inaktiv]	Firmware	Visar aktuell mjukvaruversion
Parameter 1 (Not 2)	[0.0]	Reset (Not 11)	
Parameter 2 (Not 2)	[0.0]	Fabriksinst (Not 12)	
<b>DIN1</b>		Självtest	Enbart internt Lindinvent
Funktion	Använts ej	<b>Logga ut (Not 13)</b>	<b>Rubrik_8 (Huvudmeny)</b>
Parameter	Ej relevant		Enbart internt Lindinvent
<b>Utsignalen</b>		<b>Debug</b>	
AUT1 till AUT2			
Funktion (Not 1)	[AUT1:spjäll]; [AUT2; Inaktiv]		
Parameter 1 (Not 2)	[0.0]		
Parameter 2 (Not 2)	[0.0]		
<b>DUT1 (Relä)</b>			
Funktion (Not 1)	[Inaktiv]		
Parameter 1 (Not 2)	[0.0]		
Filter AIN8-1 (Not 3)	[11111111 = filter På 8-1]; 0=Av		
<b>Regulator</b>			
Parametrar	Avancerade inställningar		
R-intervall (Not 4)	[120] Kan ställas via R-int user		
R-int user (Not 4)	[-10] Om > 0 ställer R-intervall		
Hyst tryck (Not 5)	[1.0] Kan ställas via Hyst tr user		
Hyst tr use (Not 5)	[-10] Om > 0 ställer Hyst tryck		
Hyst rel	Tryckavvikelse i % [+/- 5]		
Hysterestid	Tid i sekunder [0]		
Skalning (Not 6)	PID-skalning [-10 = fast angivna värden]		
P	[0.25]		
I	[0.08]		
Minvinkelbeg	i grader [10]		
Maxvinkelbeg	i grader [90]		

**Presentationen av menyn i LAFL och LAFLb avslutad.**

**NOTES:**

Notes on the presentation of the menu structure with control parameters and function selection in LAFL:

Note 1: Selection of function from a predefined list:

AIN: <Inactive>; <Damper (motor)>; <Fire>

DIN: Not supported; not used.

AUT: <Inactive>; <Pressure>; <Parameter>;  
<Damper (motor)>; <Inverse damper (motor)>

DUT (Relay): <Inactive>; <Summary alarm>;  
<Follow fire>; <Parameter>

Note 2: Parameter values are used or not used depending on the selected function; can be a value at min or max.

Note 3: Filter function; Binary input AIN1-8; [11111111 = filter on 8-1]; 0 = Off.

Note 4 Allows correction of calculated pressure change as a function of changed damper opening. If R-int user > 0, the value R-interval is set to the specified value.

Note 5: If Hyst tr user > 0, the value Hyst pressure is replaced.

Note 6: Set to -10 for regulation to take set values on P and I.

Note 7: If loop without NCE: At least one control unit on the loop must be switched from AUTO to the projected speed.

Note 8: General group membership; Binary input [00000000]; Specified in decimal.

Note 9: If in fire zone; 0 = regulates as usual; 1 = closed in case of fire; 2 = open in case of fire.

Note 10: For motor and damper calibration test; confirm min and max positions with <Confirm>.

Note 11: Menu option Reset causes restart with logout; counters and other set values are retained.

Note 12: Logout: All settings and counters are reset to factory settings. The exception is Node ID, which is not reset.

Note 13: Logout: Set values and counters are retained.