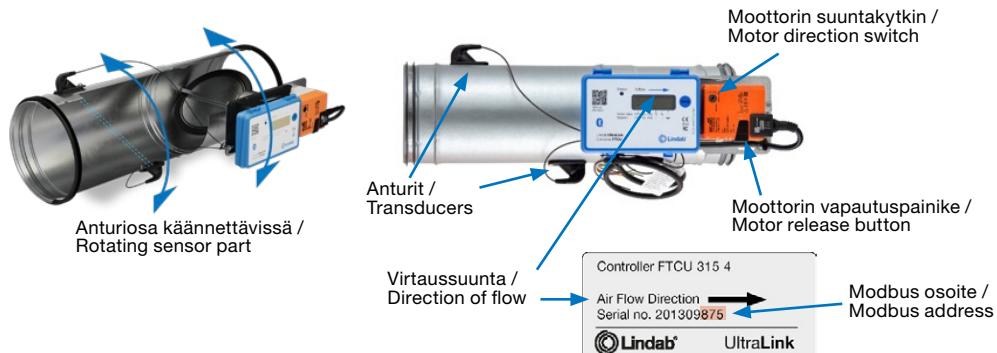


# Lindab **UltraLink®-säädin** **FTCU**

Asennusohje



| Huomaa:  | Notice:   |
|--|---|
| 1. Älä irrota antureita!   | 1. Do not remove the transducers!   |
| 2. Älä kanna laitetta antureista!  | 2. Do not use transducers as handles when you carry FTCU  |
| 3. Varmista, että ilmavirtanuolet osoittavat ilmavirran suuntaan   | 3. Make sure the airflow arrow is pointing in the direction of the airflow.   |
| 4. Käännä näyttö haluttuun suuntaan  | 4. Turn the display in the desired direction  |
| 5. Käännä anturiosaa seuraavan sivun kuvien mukaisesti, jos 5 x kanavahalkaisijaa lähempänä on ilmavirralle häiriötä aiheuttava kanavaosa.   | 5. Turn the sensor part according to the instructions on the next page, if it is closer than 5 x duct cross section length from disturbance.  |
| 6. Koot 400-630, avaa laipan mutteria, jotta anturiosa pääsee kääntymään vapaasti. Kiristä lopuksi mutteri.  | 6. Sizes 400-630, open the flange nut to allow the sensor part rotate freely. Finally, tighten the nut.   |
| 7. FTCU tulee kiinnittää kanavaan niiteillä tai ruuveilla, jos osien irtoamista ei ole esim. kannakkeilla estetty. Laite voidaan kiinnittää myös pantaliitoksellalla.  | 7. FTCU should be secured to the duct with rivets or screws if the parts are not prevented from coming loose, e.g. by hangers. The device may also be fixed by means of a collar connection.  |
| 8. Moottoritoimilaitteen suuntakytkin pitää olla asennossa 1.  | 8. The direction switch of the motor actuator must be in position 1.  |
| 9. Jos säätöpeltiä halutaan kääntää käsin, tulee moottorin vapautuspainike painaa pohjaan jonka jälkeen akselin päästää käännetään esim. 8 mm lenkillä.  | 9. If you want to turn the damper blade by hand, you must press the motor release button to the bottom and then the end of the shaft is turned, e.g. with an 8 mm spanner.  |
| 10. Laitteen sarjanumeron kolme viimeistä numeroa ovat tehdasaseteltu Modbus-osoite. Sarjanumero löytyy laitteen pakauksesta ja laitteessa olevasta tarrasta. Sen voi myös lukea kytkeyn laitteen näytön valikosta (ID) sekä älylaitteen OneLink-sovelluksen avulla. | 10. Last three digits of the device serial number are the factory set Modbus address. The serial number can be found on the packaging of the device and on the sticker on the device. It can be read from the display menu of the connected device (ID) and from the OneLink app on the smart device. |
| 11. Laitteen käyttöönotto tehdään käyttööjään mukaisesti ja se löytyy kotisivuiltamme.   | 11. The commissioning manual can be found on our website.   |

## Laitteen asento kanavassa

| Häiriö  | * Ensimmäisen virtausanturin paikka | Mittausepävarmuus<br>± % tai l/s sen mukaan,<br>kumpi on suurempi* |             |           |   |
|---|-------------------------------------|--|-------------|-----------|---|
|   |                                     | A  |             |           |   |
|   |                                     | 2–4 × Ø d  | > 4–5 × Ø d | > 5 × Ø d |   |
| Mutka   |                                     | Sisäsäde<br>(paras sijainti)                                       | 5           | 5         | 5 |
| T-yhde  |                                     | Sisäsäde<br>(paras sijainti)                                       | 10          | 5         | 5 |
| Muuntoyhde                                      |                                     | Kanavan halkaisijan pieneneminen                                   | 5           | 5         | 5 |
| Muuntoyhde                                      |                                     | Kanavan halkaisijan suureneminen                                   | 10          | 5         | 5 |
| KVDPX 1,2,3,4<br>Äänenvaimennin<br>Koko 100-315 |                                     | Antureiden asento<br>poistoilma-kanavassa                          | 5           |           |   |
| KVDPX 1,2<br>Äänenvaimennin<br>Koko 400-630     |                                     | Antureiden asento<br>poistoilma-kanavassa                          | 5           |           |   |
| PVD, PVA<br>Äänenvaimennin                      | Vaimennin toimii<br>suojatäisytyenä |  |             |           |   |

UltraLink® FTCU  
ilmamääräsäätimen asennusvideoUltraLink® FTCU  
ilmamääräsäätimen käyttöohje

\*Yllä olevasta taulukosta % tai

Koko 100 ±1,00 l/s

Koko 125 ±1,25 l/s

Koko 160 ±1,60 l/s

Koko 200 ±2,00 l/s

Koko 250 ±2,50 l/s

Koko 315 ±3,15 l/s

Koko 400 ±4,00 l/s

Koko 500 ±5,00 l/s

Koko 630 ±6,30 l/s



## Declaration of incorporation for partly completed machinery and FCC statement

|  |   |
|--|---|
| 1. Declaration number                        | 1002  |
| 2. Unique identification code of the product | FTCU  |
| 3. Type                                      | Ultrasonic device   |
| 4. Product description                       | Measuring and controlling air flow and measuring temperature  |
| 5. Manufacturer                              | Lindab Ventilation AB<br>Stålhogavägen 115, 26982 Båstad, Sweden<br>Telephone +46 431 85000, <a href="http://www.lindab.com">www.lindab.com</a> |

| Developed, designed and manufactured with the essential requirements by safe and security of the European Directive(s) and Regulation(s): |   |   |
|---|---|---|
| 2006/42/EC<br>1.1.2, 1.1.3, 1.3.4   | Machinery Directive (MD)                      | Partly completed machinery must not be put into service until the final machinery into which it is to be incorporated has been declared in conformity with the provisions of the Machinery directive 2006/42/EC. We undertake to transmit, in response to a request by the national authorities, relevant information on the product. |
| 2014/30/EU  | Electromagnetic Compatibility Directive (EMC) |   |
| 2011/65/EU & 2015/863/EC  | Restriction of Hazardous Substances (RoHS)    |   |

| The partly completed machinery is developed, designed and manufactured with the essential requirements of the following standards: |   |
|--|---|
| EN 61000-6-1:2002 - Part 6-1   | Generic standards - Immunity for residential, commercial and light-industrial environments          |
| EN 61000-6-2:2005 - Part 6-2   | Generic standards - Immunity for industrial environments  |
| EN 61000-6-3:2002 - Part 6-3   | Generic standards - Emission standard for residential, commercial and light-industrial environments |
| EN 61000-6-4:2002 - Part 6-4   | Generic standards - Emission standard for industrial environments                                   |

| FCC caution and statement   |
|---|
| This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment. This equipment complies with FCC exposure limits set forth for an uncontrolled environment.  |
| "This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:<br>• Reorient or relocate the receiving antenna.<br>• Increase the separation between the equipment and receiver.<br>• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.<br>• Consult the dealer or an experienced radio/TV technician for help." |

This declaration of conformity is established under the sole responsibility of the manufacturer identified in point 5.

Signed for and on behalf of the manufacturers by:

Authorised person:

Karel Kleinmond

Group Operations Director

2021-01-18 Karlovarská, Czech Republic