



A key component for  
any demand controlled  
ventilation system

## Lindab **UltraLink**<sup>®</sup>

A unique technology for precise and reliable  
measurement and regulation of airflow



# Optimal indoor climate and minimum energy consumption

The UltraLink controller is a patented Lindab technology. A premium, volume flow regulator developed to deliver an optimal indoor climate consuming as little energy as possible.

The UltraLink controller gives you a highly efficient and well-regulated ventilation system with low maintenance costs and easy installation.

# The Lindab UltraLink<sup>®</sup> benefits

- ⊕ No unnecessary pressure loss
- ⊕ High precision measurement
- ⊕ Easy to clean and maintain
- ⊕ Reduced noise level
- ⊕ Choose up to 5 wireless room sensors per UltraLink
- ⊕ Easy commissioning and regulation with OneLink app
- ⊕ Firmware upgrade with OneLink app



## Precise and reliable measurement with ultrasound, even at low airflow

The truly unique feature is the ultrasonic sensor technology. It measures airflow, velocity and temperature with a very high precision and reliability, even at low airflow and without unnecessary pressure loss.

For the volume flow regulator, this means exact adjustment of the airflow, regardless of the demand.



## Unobstructed airflow, top performance, reduced noise, and low maintenance

Unlike traditional systems, the sensor is located outside the air stream, so there are no unnecessary obstructions in the airflow, reducing the accumulation of dust and dirt particles.

This improves the performance, reduces the noise and minimizes the need to clean the system.

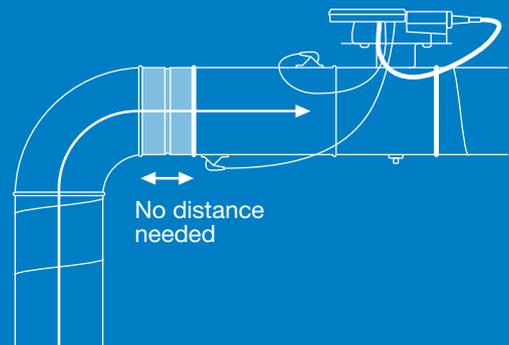
# Easy installation

Install the UltraLink® Demand Controlled Ventilation regulator in your existing duct system



## Correction for disturbance and pre-mounted cable

With the sophisticated software in the product and our OneLink app you can place the UltraLink next to a bend or a reducer and use the app to correct for the disturbance. This, together with the pre-mounted connection cable, speeds up the installation process and makes the set-up more flexible.



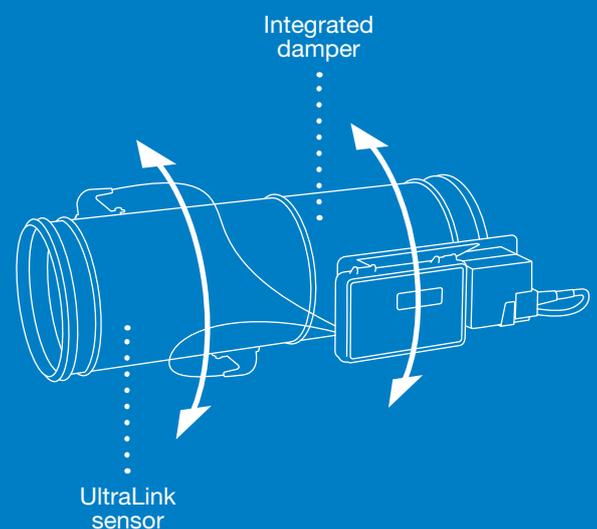


## The UltraLink® FTMU flow monitor

Without any obstacles in the airstream to create pressure drops, the Lindab FTMU ensures a highly accurate flow monitoring. It measures the flow with an angled ultrasonic beam, which can be calculated and compensated to a very high accuracy over the whole flow range. The fact that it is not sensitive to dirt and designed to minimize the dust accumulation on the flow sensors makes it outstandingly stable over time.

## Rotatable UltraLink® sensor and damper housing

To provide more options during installation, the integrated damper and the UltraLink sensor can be rotated, which means that both parts can be positioned optimally for various occasions.





# Lindab OneLink™

## The commissioning app

Correct and fast installation with wireless configuration of the system

## Set-up and commission room using the OneLink™ app

The UltraLink is commissioned with Bluetooth technology and controlled via the OneLink app. OneLink is the perfect tool to monitor and adjust the airflow directly from your smartphone, which speeds up both installation and commissioning.

## Help is at hand

The OneLink app provides you with an advanced scanning mode, including scanned devices status indicator and support for adding wireless sensors that may be used during regulation.

The Product Assistant offers self-service through virtual support. Overall, the OneLink app is true to its name – the one link between you and your ventilation components.



# Lindab OneSet™

## The room control app

Adjust your ventilation according to shifting needs with our room control app



## Sensor monitoring

Get continuous visuals of your current indoor climate in each room in your building with the OneSet app.

Depending on your selected sensors, you can see and adjust the temperature and measure the humidity, CO<sub>2</sub>, presence, and airflow levels.

# Design and flexibility

## More materials and designs

To meet demands in different buildings, we have added more colours and materials to our product range, for the product's appearance and environmental requirements.



Galvanized steel



Stainless steel



Black - RAL 9005



White - RAL 9003

UltraLink is available in a wide range of dimensions, from 100 mm up to 630 mm.



And in different colours and materials:

- Galvanized steel
- Painted in black or white
- Stainless steel

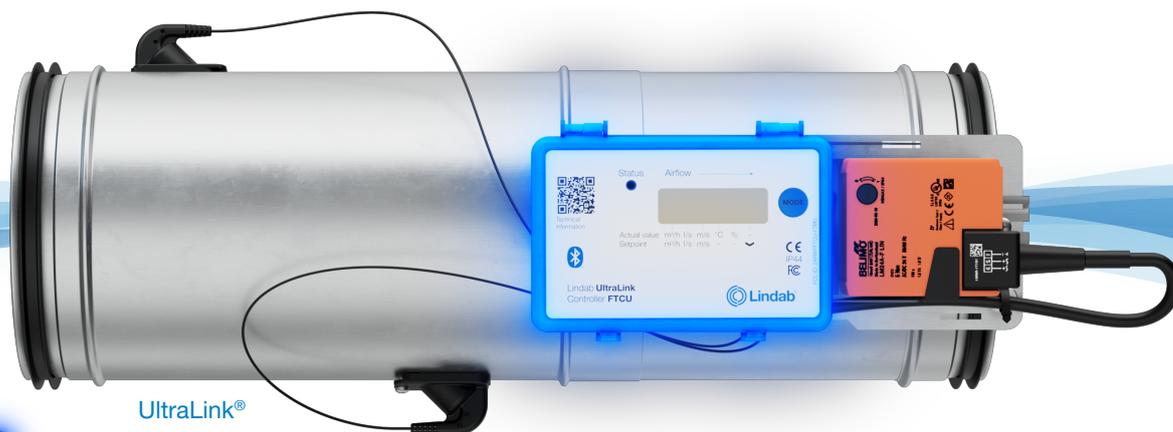
## Compatible with both new and old ventilation systems

UltraLink communicates with an analogue and/or a digital signal using Modbus.

This means that you can easily and cost-effectively update existing systems to make them more energy optimised.

# Take the UltraLink®

to the next level with the Ultra BT™ system



UltraLink®



App



Sensors

Three components  
- full control

The UltraLink is the perfect foundation for a ventilation upgrade. With three simple steps you can optimize even further: All you need is the UltraLink, one to five sensors and the smartphone app, and you have the ultimate Demand Controlled Ventilation system at room level. We call this system Lindab Ultra BT.

It is a 360-degree system upgrade with a fully integrated Bluetooth Technology, making both costs, installation complexity, and daily operations much more efficient and indoor climate optimal at all times.

And, why not start by upgrading a couple of rooms at a time and add more sensors if needed?

The choice is yours...

## Climate friendly product

The UltraLink is an intelligent volume flow regulator, that reduces the total energy consumption in a ventilation system by exact measurement of the airflow. We want to lower our customers' environmental impact through our products to support the goal reaching a net-zero carbon building stock by 2050. Using UltraLink is a significant step, towards a greener future.

Join our journey for a better climate.

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



11 SUSTAINABLE CITIES AND COMMUNITIES



13 CLIMATE ACTION





# LindQST®

## Superior software support

At Lindab we always strive to make your job easier and support you in as many ways as possible. We know creating the perfect indoor climate can be a complex task with a lot of difficult calculations and decisions. That is why we have developed our intuitive online calculation tool – LindQST.

With LindQST you can plan, select, calculate and simulate your total ventilation projects. So why not use the product selector and configurator to find the right UltraLink for your project? We have of course made sure you will have all the technical information needed ready for download as soon as you have chosen your UltraLink. Moreover, we offer plugins which allows you to import the UltraLink directly into your CAD-program.



## LindQST will also support you in

- ⊕ Finding the optimal fan
- ⊕ Simulate the air distribution in the room with use of 3D particles or smoke
- ⊕ Generate room books and data-sheets for individual rooms or entire projects
- ⊕ Finding documentation and relevant information
- ⊕ Sharing projects with other LindQST users

# UltraLink® Controller FTCU

## Technical data

Power supply	AC/DC	24 (19 - 28)	V
Cable grommet	Max outer diameter	7	mm
Cable (Bus recommended)	RS485 standard cable, 2-wire shielded twisted pair, recommended 0,25 mm <sup>2</sup> (LIYCY cable)		
Power consumption	Dim. 100 - 315	2	W
	Dim. 400 - 630	3	W
Power consumption	For wiring, dim. 100 - 315	3	VA
	For wiring, dim. 400 - 630	5	VA
Premounted cable	Length	0,7	m
Degree of protection	EN 60529	IP44	
Tightness class to the environment	EN 12237	D	
Tightness class to the environment	EN 1751	ATC 2	
Tightness class, past a closed damper	EN 1751	4	
Pressure class, $\Delta p$ closed damper	Dim. 100 - 315	C (max 5000 Pa)	
	Dim. 400 - 630	B (max 2500 Pa)	
Storage temperature range		-30 to +50	°C
Maximum ambient moisture		95	% RH
Connection	RS485 standard or analog		
Protocol	Modbus		
Output	Flow Flow Velocity Temperature Damper position (0% fully closed, 100% fully open)		m <sup>3</sup> /h l/s m/s °C %
Velocity range	For guaranteed measurement uncertainty	0,2 - 15,0	m/s
Measurement uncertainty flow (assuming correct installation)	Depending on which is the greatest of the percentage or the absolute number for the specific products size.	±5 Dim. 100 = ±1,00 Dim. 125 = ±1,25 Dim. 160 = ±1,60 Dim. 200 = ±2,00 Dim. 250 = ±2,50 Dim. 315 = ±3,15 Dim. 400 = ±4,00 Dim. 500 = ±5,00 Dim. 630 = ±6,30	% or l/s l/s l/s l/s l/s l/s l/s l/s l/s
Temperature range		-10 to +50	°C
Measurement uncertainty, temperature		±1	°C
Bluetooth radio	Frequency	2402 - 2480	MHz
	Output power	-40 to +9	dB
Bluetooth range (free line of sight)	UltraLink	100	m
Firmware	Upgradable for optimal performance and new features		

# UltraLink® Controller FTCU

## Airflows

Ø [mm]	0,2 m/s		7,0 m/s		15,0 m/s	
	m <sup>3</sup> /h	l/s	m <sup>3</sup> /h	l/s	m <sup>3</sup> /h	l/s
100	6	2	198	55	425	118
125	9	3	309	86	662	184
160	14	4	507	141	1087	302
200	23	6	792	220	1696	471
250	35	10	1237	344	2650	736
315	56	16	1964	546	4208	1169
400	90	25	3167	880	6786	1885
500	141	39	4948	1374	10603	2945
630	224	62	7855	2182	16833	4676



Most of us spend the majority of our time indoors. Indoor climate is crucial to how we feel, how productive we are and if we stay healthy.

We at Lindab have therefore made it our most important objective to contribute to an indoor climate that improves people's lives. We do this by developing energy-efficient ventilation solutions and durable building products. We also aim to contribute to a better climate for our planet by working in a way that is sustainable for both people and the environment.

[Lindab | For a better climate](#)