Take full control of your climate
everywhere it matters

Munters
AirC Wireless

Smart, wireless climate control

Ensure full control of your indoor environment with Munters AirC Wireless. This smart indoor climate control solution helps you monitor and automate the climate in all essential parts of your facility, equipment and processes.

AirC Wireless is a group of devices that act as a single integrated control system. Install its sensor nodes in different locations to gather climate information as they wirelessly communicate with other nodes in the network.

Remote dehumidifier/humidifier monitoring and control

You need to know how your climate control system is performing to ensure optimal energy efficiency and climate control. But oftentimes dehumidifiers and humidifiers must be placed in hard-to-reach locations. Now you can manage your complete climate control solution at a central location with AirC Wireless. With all data displayed on a full-color monitor, this smart solution makes maintaining your perfect climate easier than ever. And it has a full suite of future-proof features such as a built-in alarm system, scheduled maintenance reminder and Munters connectivity capabilities.

Remote climate monitoring and control

Temperature and humidity can change drastically from one location to another and from time to time in your facilities, equipment or industrial processes. This makes accurate climate control tough. But you can monitor and control your indoor climate with Munters AirC Wireless. Its sensor nodes wirelessly communicate climate information to your central control system.
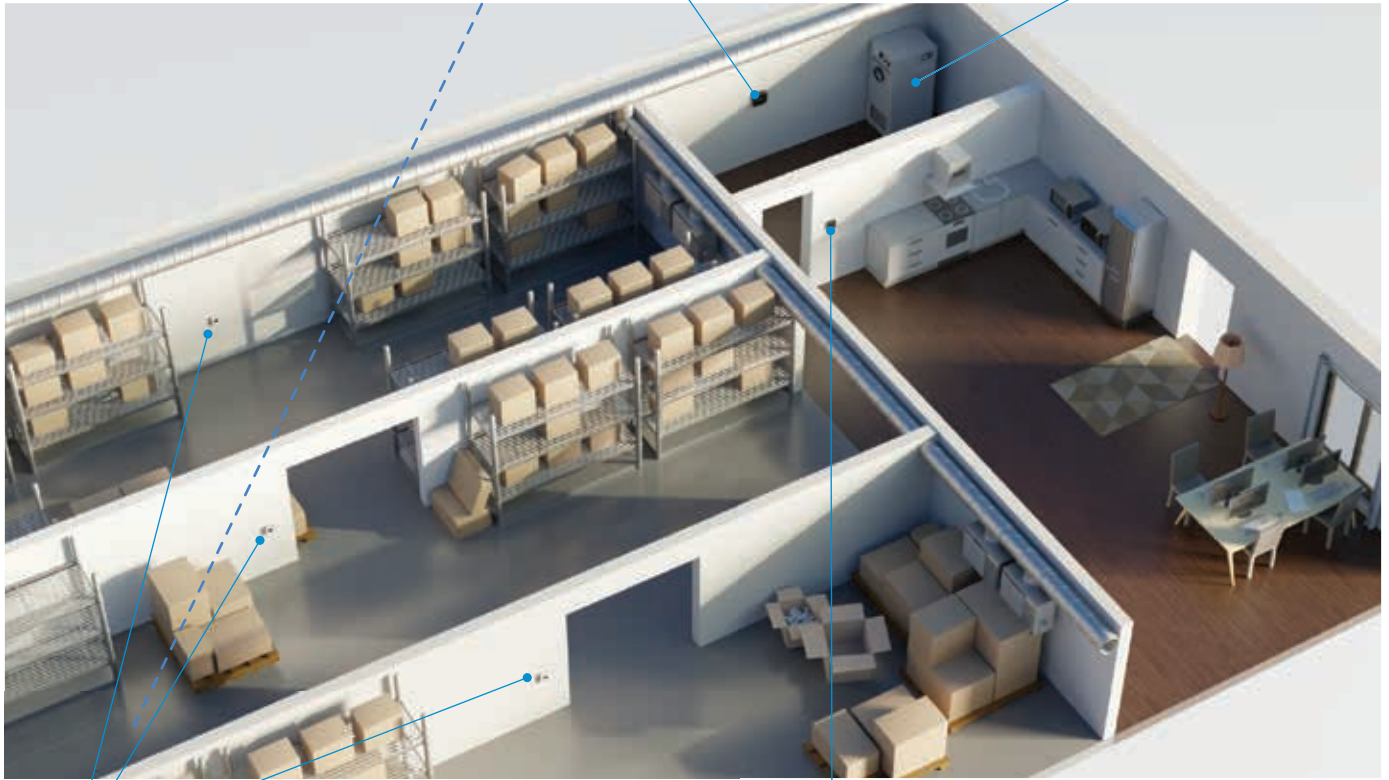
The perfect climate

Now you can ensure every critical area of your business has the right humidity levels by making informed decisions. Transform your new or existing equipment with AirC Wireless to help create a perfect climate. The AirC Wireless system is designed by Munters – the climate control experts who have been helping customers optimize their climates for more than 60 years.

AirC Wireless benefits

→ Smart indoor climate control
→ Remote dehumidifier and humidifier monitoring and control
→ Remote climate monitoring and control
→ Features multiple sensors – both wired and wireless
→ Customizable and scalable configuration
→ User-friendly interface
→ Easy installation and plug-and-play commissioning
→ Remote start/stop
→ Built-in alarm system
→ Scheduled maintenance reminders
→ Munters connectivity capabilities
→ Wide measurement range & high accuracy
→ Made in ULV0 material

Terminal

Sensor node

Control node

Typical applications:

→ Museums, preservation and archives

→ Warehouses and storage facilities

→ Recreation and leisure facilities

→ Laboratories

→ Testing environments

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Terminal

Technical specifications

Analog inputs 1-4	
Measurement range for voltage	0... 10 V
Resolution for voltage measurement	0.01 V
Accuracy for voltage measurement	+/-0.05 V
Measurement range for current	0... 20 mA
Resolution for current measurement	0.016 mA
Accuracy for current measurement	+/-0.08 mA
Power supply for each analog input	24 VDC/200 mA
Analog outputs 1-2	
Output range for voltage signal	0... 10 V
Resolution for voltage signal	0.01 V
Accuracy for voltage signal	+/-0.05 V
Output range for current signal	0... 20 mA
Resolution for current signal	0.016 mA
Accuracy for current signal	+/-0.08 mA
Digital output relays 1-3	
Contact function	CO (Change Over)
Voltage	max 24 V AC/DC
Current	max 2 A
Digital inputs 1-2	
Input function	NO or NC or resistance measurement
Resistance measurement type	For future use

205 mm   50 mm

205 mm

General	
Supply voltage	24 V AC/DC
Operating temperature electronics	–20... +40°C (-4... +104°F)
Storage temperature	–20... +70°C (-4... +158°F)
Regulatory and protection classification	
Operation of automatic controller	
Software classification	A
Degree of pollution	3
Overvoltage category	II
IP Class	IP54
Product standard	EN 60730-1, Type 1
Plastic classification	ULV0

Control node

Technical specifications

Value presentation	
Resolution for setpoint and actual value	0.1% RH
Change of setpoint	0.5% RH/push
General	
Supply voltage	2 x lithium battery 3.6 V (14500 Li-SOCl$_2$) Can be connected to a 12 VDC supply
Expected battery life length	Minimum 1 year, typically 3 years
Operating temperature electronics	–20... +40°C (-4... +104°F)
Storage temperature (batteries included)	–20... +70°C (-4... +158°F) Battery life affected above +30°C (+86°F)
Protection classification	
IP Class	IP54
Plastic classification	ULV0

108 mm   35 mm

108 mm

→ FOTA (over the air (OTA) firmware update)

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Sensor node

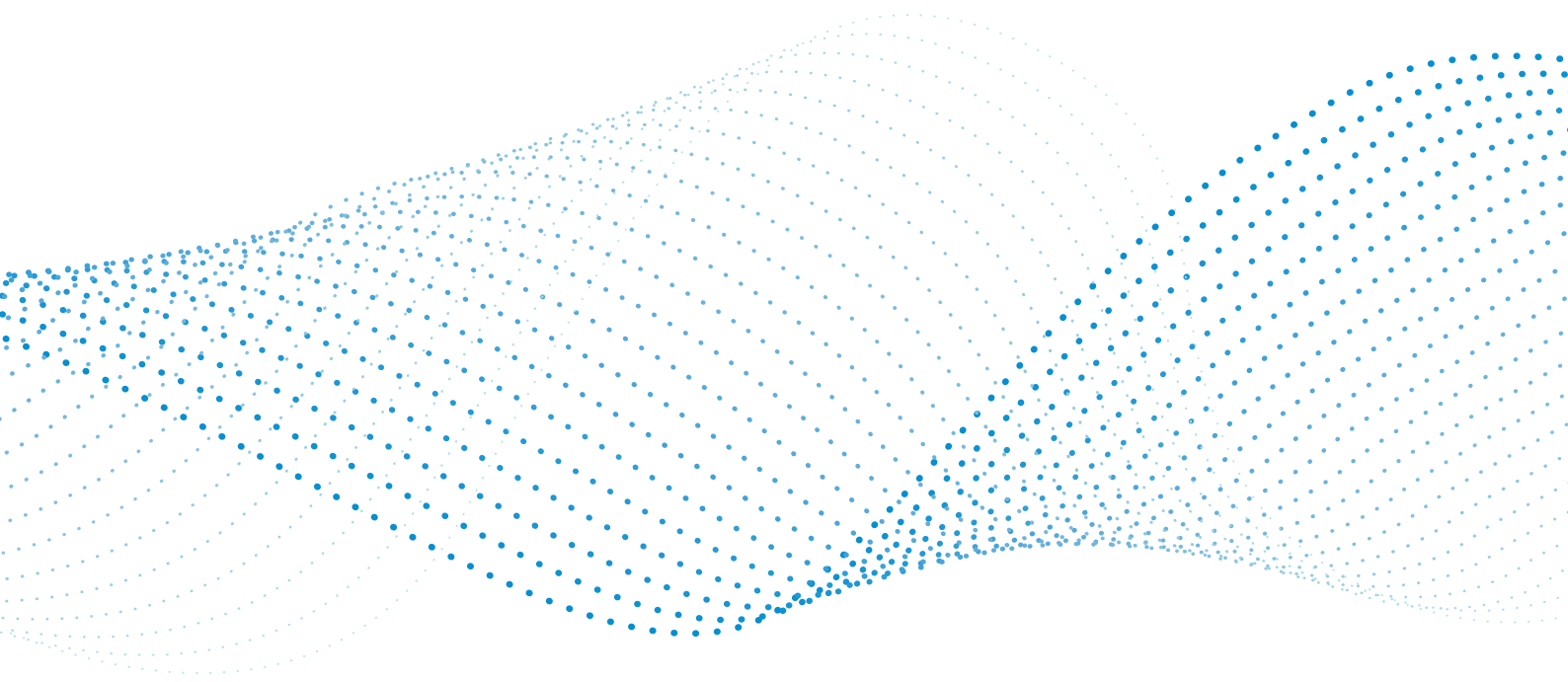*Sensor node with wall sensor*

Sensor node with duct sensor

Technical specifications

Relative humidity (wall & duct RH/T sensor)	
Measurement range	0... 100% RH
Operating range	10... 90% RH
Accuracy	+/- 2% RH (10... 80% RH)
Resolution	0.1% RH
Long term stability	Typ. <0.25% RH/year
Temperature (wall & duct RH/T sensor)	
Measurement range (wall RH/T sensor)	-25... +50°C (-13... +122°F)
Measurement range (duct RH/T sensor)	-35... +100°C (-95... +212°F)
Operating range	-20... +40°C (-4... +104°F)
Accuracy	+/- 0.3°C (0... 40°C)
Resolution	0.1°C
Long term stability	max <0.3°C/year
General (wall & duct RH/T sensor)	
Supply voltage	2 x lithium battery 3.6 V 14500 Li-SOCl₂
Expected battery life length	Minimum 1 year, typically 3 years
Operating temperature electronics	-20... +40°C (-4... +104°F)
Storage temperature (batteries included)	-20... +70°C (-4... +158°F) Battery life affected above +30°C (+86°F)
Protection classification (wall & duct RH/T sensor)	
IP Class	IP54
Plastic classification	ULV0

→ Communication range (min 100 m)

→ Reliability/robustness (industrial environment)

→ Cognitive coexistence – adaptive frequency-hopping

→ Network size with multiple sensors

→ FOTA (over the air (OTA) firmware update)

Munters is a global leader in energy-efficient air treatment and climate solutions. Using innovative technologies, Munters creates the perfect climate for customers in a wide range of industries.

Munters has been defining the future of air treatment since 1955. Today, around 4,000 employees carry out manufacturing and sales in more than 30 countries.

For more information, please visit www.munters.com

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