TAUPUNKT LÜFTUNG

Mould prevention & dehumidification 2.0

Innen		Aussen
Temperatur + 21.9°C		Temperatur + 22.0°C
rel. Feuchte 44.3 %		rel. Feuchte 44.3 %
Taupunkt + 9.1°C	Lüfter aus	Taupunkt + 9.2°C

BUNDESPREIS 2014
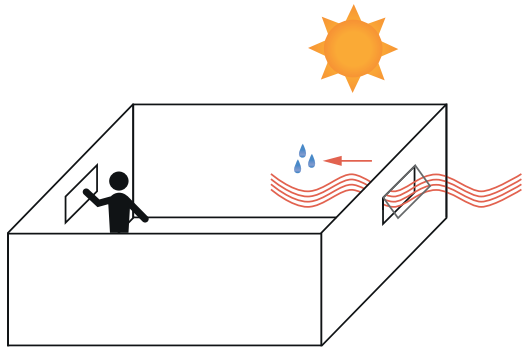für hervorragende innovatorische Leistungen für das Handwerk

Dew Point & Universal ventilation control TOUCH

Low-cost, effective and energy-saving solution for dehumidifying cellars and living spaces. Intuitive operation, sensor failure detection, data storage and advanced functions. The fully automatic ventilation provides you with a permanent solution for mold prevention and dehumidification.
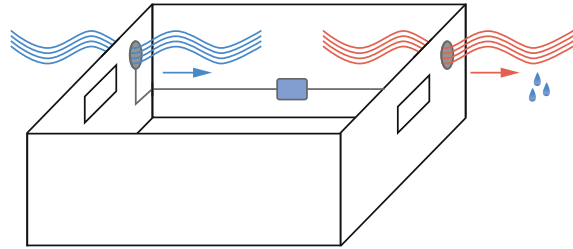
The Problem

According to statistics there are 2 million houses in germany with partly substantial problems with humidity in cellars and apartments. Ventilation is often done wrong, so that condensation moisture is added to the existing moisture. The walls suck themselves with the humidity fully and extensive mold formation is only a question of the time.
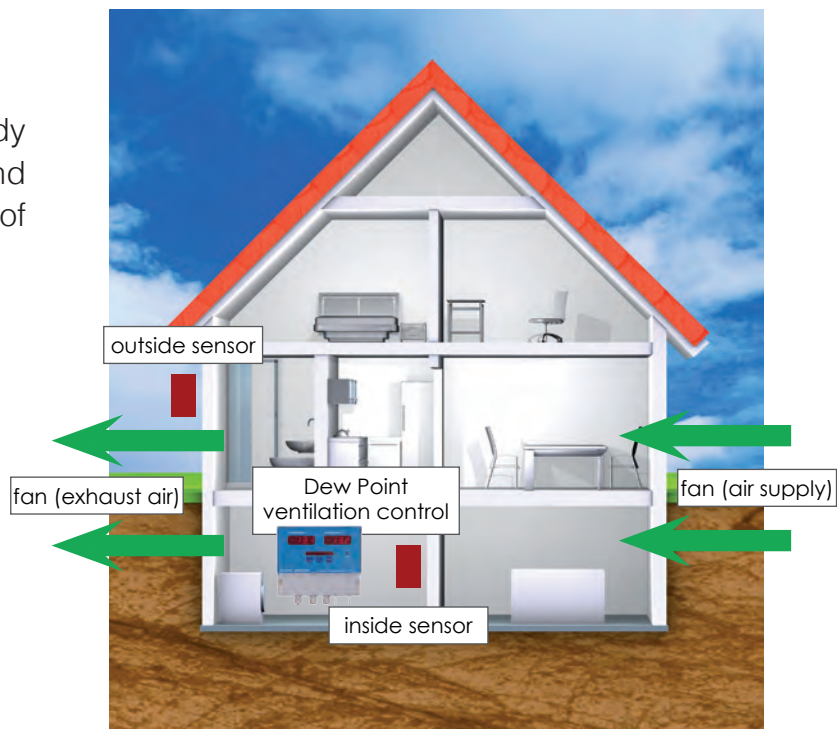
The solution

An intelligent and automatic ventilation system provides long-term relief. The intelligent dew point ventilation controls only ventilate the rooms if the outside air is even capable of absorbing and transporting moisture. This is determined by dew point measurement. If the dew point temperature outside is lower than in the cellar, ventilation is initiated.
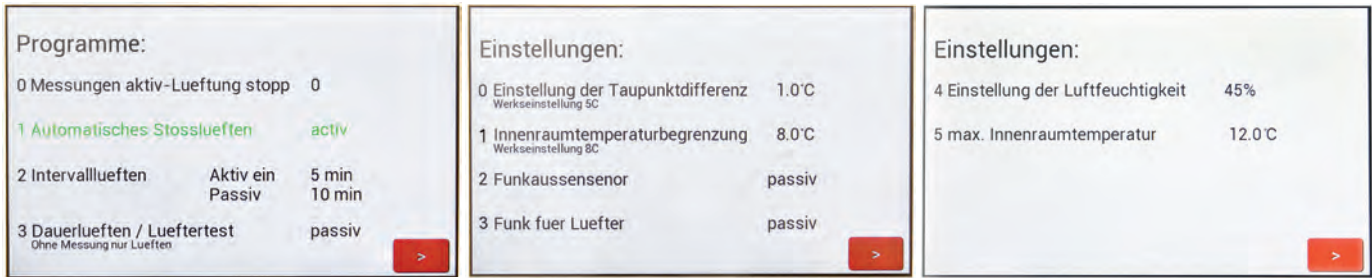
Fields of application

The dew point ventilation controls are already successfully in operation in many cellars and houses and are used in many different areas of application:

- damp cellars
- washing and drying rooms
- Apartments and housing estates
- Vaulted cellar
- Wine cellar
- Winter gardens and greenhouses
- churches
- listed houses
- Kindergarten
- uvm.

outside sensor

fan (exhaust air)

Dew Point ventilation control

fan (air supply)

inside sensor

We improve your hygiene conditions in the house.

Programme:

0 Messungen aktiv-Lueftung stopp 0

1 Automatisches Stosslueften activ

2 Intervallueften Aktiv ein 5 min
  Passiv 10 min

3 Dauerlueften / Lueftertest passiv
Ohne Messung nur Lueften

Einstellungen:

0 Einstellung der Taupunktdifferenz 1.0°C
  Werkseinstellung 5C

1 Innenraumtemperaturbegrenzung 8.0°C
  Werkseinstellung 8C

2 Funkaussensenor passiv

3 Funk fuer Luefter passiv

Einstellungen:

4 Einstellung der Luftfeuchtigkeit 45%

5 max. Innenraumtemperatur 12.0°C

Dew point ventilation control 100-600 / 100-610	Universal ventilation control 100-650 / 100-660

The programs

Programm 0: value display, no ventilation
Programm 1: automatic joint airing
(dehumidification program)
Programm 2: Interval ventilation
(individually adjustable)
Programm 3: fan test, without measurement

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Programm 4: wince cellar ventilation
Programm 5: drying room ventilation
Programm 6: winter garten ventilation

The settings

Setting 0: Dew point difference
Setting 1: min. Interior literature
Setting 2: Wireless outdoor sensor
(active/passive)
Setting 3: Radio for fan (active/passive)

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Setting 0: Dew point difference
Setting 1: min. Interior literature
Setting 2: Wireless outdoor sensor (active/passive)
Setting 3: Radio for fan (active/passive)
Setting 4: Humidity rel.F.
Setting 5: max. interior temperature

Data storage Type 100-610/660

Datum,	Zeit,	TempInnen,	FeuInnen,	TauInnen,	TempAussen,	FeuAussen,	TauAussen,	Luefter		
17/05/2018,	10:54:15	+ 22.4 C,	43.2 %,	+ 9.2 C,	+ 22.4 C,	43.6 %,	+ 9.4 C,	Luefter aus,	Fehler Innensensor	
17/05/2018,	10:54:18	+ 22.4 C,	43.2 %,	+ 9.2 C,	+ 22.4 C,	43.6 %,	+ 9.4 C,	Luefter aus		
17/05/2018,	10:54:25	+ 23.5 C,	53.2 %,	+ 13.4 C,	+ 22.4 C,	43.6 %,	+ 9.4 C,	Luefter an		
17/05/2018,	10:54:54	+ 23.6 C,	44.9 %,	+ 10.9 C,	+ 22.4 C,	43.6 %,	+ 9.4 C,	Luefter an,	Fehler Innensensor	
17/05/2018,	10:55:15	+ 24.4 C,	42.6 %,	+ 10.8 C,	+ 22.4 C,	43.6 %,	+ 9.4 C,	Luefter an,	Fehler Innensensor,	Fehler Aussensensor
17/05/2018,	10:55:16	+ 24.4 C,	42.6 %,	+ 10.8 C,	+ 22.4 C,	43.6 %,	+ 9.4 C,	Luefter an,	Fehler Aussensensor	

The TOUCH ventilation control units type 100 - 610/660 are equipped with an RTC (Real Time Clock) and save all climate data on your Micro SD (up to 2 GB) / micro SDHC (up to 32 GB) every hour. All values (dew point, temperature, relative humidity) are recorded inside and outside, as well as the ventilation intervals. Sensor failures are also stored in the file (CSV for Excel evaluable).

Ventilation control TOUCH in combination package

The new ventilation controls are also available in a combination package, consisting of the ventilation control including two sensors (outdoor sensor + indoor sensor in the new design) and two fans. The low-noise fans are also supplied by us and serve for supply and exhaust air. They open silently and close almost tightly by means of an inner flap. The ventilators are suitable for wall and window installation. In our delivery assortment we also have living room ventilators with 85% heat recovery. We would be pleased to advise you individually for your application.

The TOUCH ventilation controls at a glance

Art.Nr.	Taupunkt Lüftung mit TOUCH
100 - 600	Dew point ventilation control TOUCH
100 - 601	Dew point ventilation control TOUCH, incl 2 fans Type 100 - 150
100 - 602	Dew point ventilation control TOUCH, incl 2 fans Type 100 - 230

Art.Nr.	Universal ventilation control TOUCH
100 - 650	Universal ventilation control TOUCH
100 - 651	Universal ventilation control TOUCH, incl 2 fans Type 100-150
100 - 652	Universal ventilation control TOUCH, incl 2 fans Type 100 - 230

Art.Nr.	Taupunkt Lüftung mit TOUCH + Data storage
100 - 610	Dew point ventilation control TOUCH + Data storage
100 - 611	Dew point ventilation control TOUCH + Data storage incl. 2 fans Type 100-150
100 - 612	Dew point ventilation control TOUCH + Data storage incl. 2 fans Type 100-230

Art.Nr.	Universal ventilation control TOUCH + Data storage
100 - 660	Universal ventilation control TOUCH + Data storage
100 - 661	Universal ventilation control TOUCH + Data storage incl. 2 fans Type 100-150
100 - 662	Universal ventilation control TOUCH + Data storage incl. 2 fans Type 100-230

Contact – this is how you can reach us

We will provide you with a free and non-binding offer. We would also be pleased to send you more detailed information, descriptions and instructions of the various ventilation control systems by email or post. You can get a first overview on our website

https://cellar-ventilation.com

We are happy to advise you at any time!

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