

CORROVENTA CONTROL SYSTEMS

Control, regulation and monitoring for all types of drying work, as well as water damage remediation and fixed installations.





SUPERVISION®

The SuperVision® control system for Corroventa's ES machines is a groundbreaking solution for drying results, the environment and the overall economy. With SuperVision® you can remote control, monitor and measure the drying process from your computer, phone, or tablet.



SuperVision® is a remote control and remote measurement system that complements ES series dehumidifiers and turbines by making them and their data available via the Internet. Each SuperVision® system can monitor up to eight ES machines and gives the user the ability to control and check the drying process quickly and easily without having to go to the site each time. All collected data is stored on a web server where the user can also provide explanatory names for the different measurement points, so that the analysis is made as simple as possible.

The system also offers tools to help generate graphs easily, either to be able to analyse the process or to include them in the project report that the system helps to create. The user can also, if desired, give the customer access to the system so that he/she can follow the development of the drying process.

The system consists of a gateway that connects to the machines as well as two wireless sensor nodes, each with the ability to carry two temperature and RH sensors and a moisture content sensor. For maximum coverage and reliability, the sensor nodes have the capacity to forward each other's messages to gateway, so called MESH technology. A gateway can communicate with up to ten sensor nodes for those who want to expand the system further.

For maximum flexibility, the system uses the mobile phone network to collect data. Installation of the system requires no preparation and does not require access to the Internet. All information that the user needs is provided by the machines' displays and the SuperVision® units' light indications.

CAN BE COMBINED WITH

A2 ES p. 22
 A4 ES p. 23
 A4 ES X p. 24
 K3 ES HP p. 34

K5 ES HP PX p. 35
 T2 ES p. 42
 T4 ES p. 43
 WS4 ES p. 50

REMOTE CONTROL



SuperVision® is a well thought-out and user-friendly system that makes it possible to monitor, measure and control the drying process from a computer, smartphone or tablet.

WELL THOUGHT DESIGN



SuperVision® collects data from the drying process through a GSM-gateway. SuperVision® can be used with your product of choice in the Corroventa ES-family. Each set of SuperVision® can control a cell with up to 8 machines.

BASIC PACKAGE CONTENTS

Subscription (24 or 36 months)	1 pcs.
Gateway	1 pcs.
Sensor nodes	2 pcs.
RHT sensors	4 pcs.
Transportation box	1 pcs.
Measuring tubes	1 pack
Sealant	1 pack
System cable ES 0.5 m	1 pcs.
Article number	9911104

HOMEVISION®

The HomeVision® control system is used to control, monitor and follow-up permanently installed dehumidifiers as well as VentoVind™, demand controlled ventilation for attics. In houses and buildings that have the need of both crawl space dehumidification and attic ventilation, a single wireless control panel, HomeVision® Pro, can solve the entire need for regulation and control.



Via the wireless HomeVision® Pro control panel that is placed in the home, users always have access to the current climate and operating status and can, if necessary, easily change the settings of the system. The user is alerted to any operational interruptions through integrated alarm functions and the system also automatically gives a reminder that the annual service is due, all to ensure that function is maintained and that damage to the building is avoided.

The system is flexible and the settings can be adjusted to meet the demand. Dehumidification can be controlled towards a fixed relative humidity alternatively to mould index, which for some installations and conditions can further reduce the energy consumption. The demand controlled ventilation can be used with both standard AC fans and EC fans.

The control panel also presents operating statistics, such as average temperature and average relative humidity for the last twelve months. For more detailed follow-ups of the operation, a log file with climate data and the times when the settings were changed is created. The log file is saved to a USB memory which is installed in the control panel and can then be easily transferred to computers for analysis.

The control panel can connect up to eight control units and can thus offer combined regulation and control of larger installations where several dehumidifiers are required or installations that require both dehumidifier, for a crawl space for example, as well as demand controlled ventilation for attics.

The control units are available in different versions, for permanently installed adsorption dehumidifiers and for demand controlled ventilation, VentoVind™.

In addition to Pro, the HomeVision® control panel is also available in a Lite version which is designed for controlling only an adsorption dehumidifier.

COMBINED WITH

CTR 300TT2 p. 62
CTR STD-TT p. 63

VentoVind™ PRO p. 68
VentoVind™ PRO Special p. 69

HOMEVISION® LITE



The control panel in the Lite version displays, among other things, the prevailing temperature and humidity in the crawl space, the values that come from the hygostat. It also displays the operating status and permits the user to change settings.

HOMEVISION® PRO



In addition to the basic Lite functions, the Pro version can control the dehumidifier according to the mould index, analyse operation via log file and control multiple machines from one control panel.

TECHNICAL DATA

% RH setpoint	Lite / Pro
Δ % RH hysteresis upper	Lite / Pro
Δ % RH hysteresis lower	Lite / Pro
Δ % RH alarm level	Lite / Pro
Continuous fan operation, or fan only when dehumidifying	Pro
Control by mold Index	Pro
Reset to factory settings	Lite / Pro
CSV log file on USB stick	Pro
Displaying the current RH	Lite / Pro
Display of current temperature	Lite / Pro
Display fan status On or Off	Pro
Display dehumidification On or Off	Lite / Pro
Display radio signal level	Lite / Pro
Graphic presentation runtime past 12 months	Pro
Graphic presentation of average temperature last 12 months	Pro
Graphic presentation of mean% RH 12 months	Pro
Error messages	Lite / Pro
Article number Pro	9910360
Article number Lite	9910370

CONTROL PANEL

The control system is used to achieve controlled dehumidification in crawl spaces. Control, regulation and monitoring of the crawl space installation occurs via a hygrostat connected to the dehumidifier in the space and a control panel in the living area.



THIS IS HOW IT WORKS

The crawlspace dehumidifier is controlled by a hygrostat that is located in the crawl space where the conditions are considered suitable or particularly critical. For additional monitoring a control panel (indicator box) is positioned in the living area where the indicator lamps, for example, display if the relative humidity in the crawl space is OK or too high, if the installation is functioning or if there has been any interruptions to operation.

COMBINED WITH

CTR 500TT p. 64

TECHNICAL DATA

Article number 9910200

HYGROSTAT HR1-5 / HMMH1-10

Hygrostats suitable for Corroventa's dehumidifier* for drying damage. Used during drying when the conditions are considered sensitive or particularly critical. The proven design with few moving parts ensures excellent reliability and accuracy.

* For the ES series an adapter cable is required.



TECHNICAL DATA

Hygrostat HR1-5

Connection cable	5 m
Setpoint	10-90% RH
Size (L x W x H)	83 x 136 x 37 mm
Article number	9901100

Hygrostat HMMH1-10

Connection cable	10 m
Setpoint	10-100% RH
Size (L x W x H)	318 x 104 x 75 mm
Article number	9901150

SYSTEM CABLE ES 0.5 / 5M

System cable used for Corroventa's control system SuperVision®.



TECHNICAL DATA

System cable 0.5 m

Article number	1002749
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System cable 5 m

Article number	1002748
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EXTERNAL RHT-SENSOR

A sensor that measure both relative humidity and temperature. 5 m cable.



TECHNICAL DATA

Article number	1002817
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