

CORROVENTA CONTROL SYSTEMS

Control, regulation and monitoring for all types of drying work, as well as water damage restoration 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. SuperVision® is used to control and monitor the drying process remotely via computer, mobile 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 assign 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 Internet access. All information that the user needs is provided by the machines' displays and the SuperVision® units' light indications.

CAN BE COMBINED WITH

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A4 ES page 22
A4 ES X page 23
K3 ES HP page 37

K5 ES HP PX page 38
T2 ES page 43
T4 ES page 44
WS4 ES page 49

REMOTE MONITORING



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 OUT DESIGN



SuperVision® collects data from the drying process through a gateway, which is driven by the dehumidifier. SuperVision® can be used with any product from Corroventa's ES series. Each SuperVision® set-up can control a cell with up to 8 machines.

BASIC PACKAGE CONTENTS

Subscription (24 or 36 months)	1 x
Gateway	1 x
Sensor nodes	2 x
RHT sensors	4 x
Transport box	1 x
RHT sleeves	1 pack
Sealant	1 pack
System cable ES, 0.5 m	1 x
Article number	9911104

HOMEVISION® PRO

The HomeVision® Pro 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 a need for 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. A log file is created for even more detailed follow-up of the operation, with climate data and the times when settings have been changed. The log file is saved to a USB memory stick, 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 that require several dehumidifiers or installations that require both a dehumidifier, for a crawl space for example, and demand controlled ventilation for attics.

COMBINED WITH

CTR 300TT2.....	page 62	VentoVind™ PRO	page 68
CTR STD-TT.....	page 63	VentoVind™ PRO Special.....	page 69

FUNCTIONS

Displays % RH setpoint
Displays Δ % RH hysteresis upper
Displays Δ % RH hysteresis lower
Displays Δ % RH alarm level
Continuous fan operation or fan only during dehumidification
Control by mould index
Reset to factory defaults
CSV log file on USB memory
Display of current RH
Display of current temperature
Display fan status On or Off
Display dehumidification On or Off
Display radio signal level
Graphic presentation operating time last 12 months
Graphic presentation average temperature last 12 months
Graphic presentation of mean % RH last 12 months
Error messages
Part number 9910360



REMOTE CONTROL AND MONITORING OF THE DRYING PROCESS SAVES TIME, MONEY AND ENERGY. IT REDUCES THE AMOUNT OF TRAVEL THAT MOISTURE CONTROL TECHNICIANS ARE REQUIRED TO DO TO MONITOR THE PROCESS ON SITE. BECAUSE THE SYSTEM PERMITS TOTAL CONTROL OF THE DRYING PROCESS, THE MACHINES CAN BE SWITCHED OFF REMOTELY AS SOON AS THE DRYING PROCESS IS COMPLETE, WHICH SAVES ENERGY AND COSTS.

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 have been any interruptions to operation.

COMBINED WITH

CTR 500TTpage 64

TECHNICAL DATA

Article number	9910360
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HYGROSTAT HR1-5

Hygrostat that primarily fits Corroventa's analogue dehumidifier* for damage drying. Used during drying when the conditions are considered sensitive or particularly critical. The well-tried design with few moving parts ensures excellent reliability and accuracy.

* An adapter cable is required for ES series machines. However, a hygrostat is usually not needed for the ES machines, as they already have an integrated sensor.



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

SYSTEM CABLE ES 0.5 / 5M

System cable used to connect ES-series equipment as well as the SuperVision® control system.



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 measures both temperature and relative humidity. Suitable for adsorption and condensing dryers in the ES series. 5 m cable.



TECHNICAL DATA

Article number	1002817
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