

# RV-Sensor • Humidity sensor



The RV-sensor measures the relative air humidity in a room and converts it into an electrical signal. This signal can be used, by means of a climate computer (ORION or SIRIUS), to guard the humidity. If necessary, the climate computer can control a humidifying unit and / or adapt the ventilation.

### Three different types of RV-sensors are available

RV-A-0-5	Output signal is 0 - 5 Volt
RV-A-0-10	Output signal is 0 - 10 Volt signal
RV-D	Output signal is a 1 Hz, 5 Volt (tt) signal



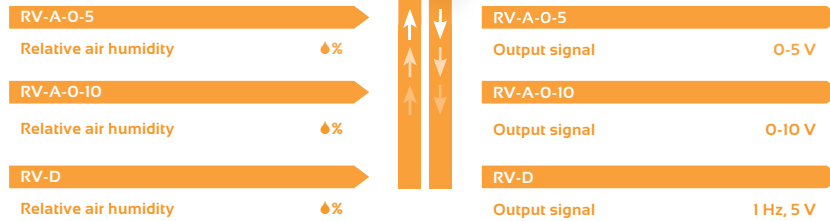
Stationsstraat 142  
5963 AC Hegelsom  
The Netherlands

T +31 (0)77 327 5020  
F +31 (0)77 327 5021  
info@hotraco-agri.com  
www.hotraco-agri.com

Hotraco Agri is a globally operating supplier of innovative computerized systems for use in the pig and poultry sectors specialised in creating and maintaining an optimum indoor climate. Hotraco Agri's main focus is on the development and manufacture of customized computers that regulate, control and monitor the overall animal house system. From climate control and air conditioning, feed and water control, animal weighing, egg counting to fire safety. Over 100 employees serve customers on all continents with innovative and technically advanced systems. The fact that Hotraco Agri has its own R&D and development department means that it is ALWAYS able to deliver customized products and develop problem-specific solutions.

### Helpdesk 24/7

Hotraco's helpdesk and service centre is available 24/7. Our team has the possibility to monitor and control our clients' systems, wherever in the world, via state of the art ICT technology.



## TECHNICAL SPECIFICATIONS

### Electrical

Power supply	+12...+24 Vdc ± 20 %
Power consumption	10 mA
Output signal	0...5 V (RV-A-0-5)
	0...10 V (RV-A-0-10)
	1 Hz, 5 Vtt (RV-D)
Output current	max. 1 mA
Maximum cable length	100 m (0.75 mm <sup>2</sup> + shield)

### Relative air humidity

Measuring range	0...100 % RH
Accuracy at 20 °C	± 3 %
Hysteresis	1.5 %
Working temperature	-10...+ 55 °C

### EMC

Emission	EN50081-1
Immunity	EN50082-1

### Complies with EC-directives

EMC	2004 / 108 / EC
Low tension	2006 / 95 / EC

### Mechanical

Sensor protection	Sintered dust filter
Dimensions (H x W x D)	220 x 82 x 85 mm
Encasing	IP 52
Weight	approx. 210 gr