Product data sheet 24.012

# 70 90 HX 60 30

HSC120F0\*\*

### Improving energy efficiency

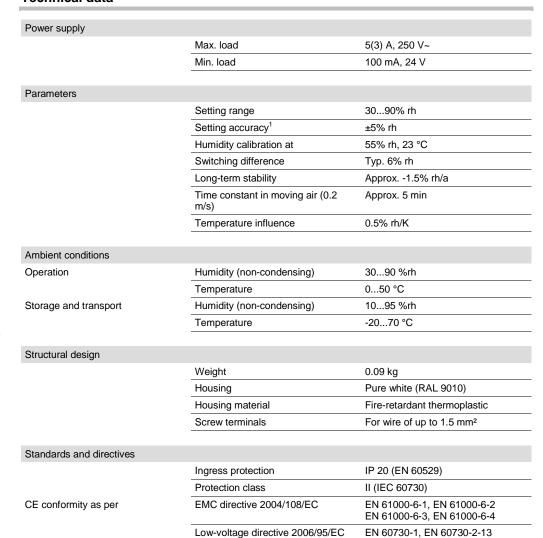
**HSC 120: Room humidistat** 

Enables humidity control devices to be switched on according to needs

### **Properties**

- Monitoring and regulation of relative air humidity in rooms by controlling fans, drying units and air humidifiers
- · Variable relative humidity as setpoint based on printed scale in % rh
- Measurement taken via a measuring element of stabilised synthetic textile tape.
- Micro-switch with fixed switching difference X<sub>Sd</sub>

### **Technical data**



## Overview of types Type Features HSC120F001 External setpoint adjuster HSC120F010 Internal setpoint adjuster



The setting accuracy of the humidistat is valid for the calibration point ±5% rh at 55% rh and 23 °C following initial calibration at the factory. See diagram "Setting accuracy". In general, humidity sensors (humidistats) are subject to increased ageing if they are used and/or stored in very contaminated air or aggressive gases. The humidistat may start to drift and its linearity may change under these conditions. If the humidistats are used in very contaminated air, the warranty does not cover a premature re-calibration or the replacement of the complete humidistat

Product data sheet 24.012

### Accessories Type Description 0362225001 Intermediate plate, pure white, for wall mounting on recessed junction box

### Additional information

Fitting instructions	
F001	P100013519
F010	P100013250

### **Description of operation**

When the relative air humidity is increasing and after the upper change-over point is reached, contacts 1-2 are opened and 1-3 closed. Setpoint  $X_S$  corresponds to the upper change-over point. The contacts are reset when the humidity value falls below the upper change-over point again by the amount of the fixed switching difference  $X_{sd}$ .

The ageing effect of the measuring element causes the change-over point to shift gradually and permanently. Therefore, recalibration may be necessary.

At temperatures other than the compensation temperature, the change-over point is shifted systematically (effect of temperature). Similarly, if the humidity changes quickly, the switching point is shifted temporarily.

### Intended use

This product is only suitable for the purpose intended by the manufacturer, as described in the "Description of function" section.

All related product documents must also be adhered to. Changing or converting the product is not admissible.

### Notes on engineering and installation

The housing base allows cables to be inserted from behind and when the unit is fitted on recessed junction boxes. With surface mounting, openings can be made above or below as required.

### Disposal

The local, currently valid laws must be observed when disposing of the device.

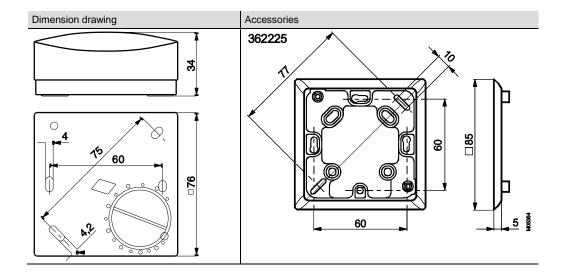
You will find more information on the materials and substances in the declaration of materials used for this product.

### Connection diagrams

F001, F010



Product data sheet 24.012



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