



### **Relative humidity- / temperature sensor and remote control**

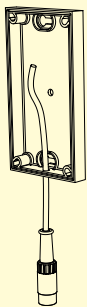
- Very accurate in the higher regions of RH
- LCD screen with read out
- Pushbuttons for operation and adjustments
- Recalibration not necessary
- Processor controlled
- Built-in heating
- Built-in compensation for temperature difference

## Introduction

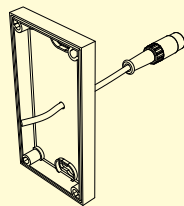
The HTR-10 is a room hygrostat and remote control for the HU-xxx series of humidifiers. It features a very accurate in-built humidity sensor and temperature sensor. The humidity sensor is also very accurate in the higher regions of relative humidity. An built-in heating element within the sensor element ensures that the sensor remains dry when the dew point is reached. The heart feature of the electronics is a programmed microchip designed by Contronics. The electronic circuit board is protected against moisture.

## Assembly

The cable with plug that accompanies the HTR-10 is normally placed at the bottom. The alternative is to place the cable in the centre, at the back of the controller.



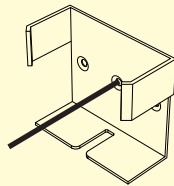
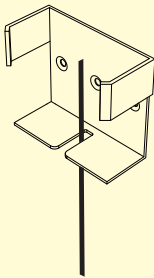
Normal



Alternative

The HTR-10 can be mounted in a number of ways using the accompanying wall-mounting bracket:

1. Mounted directly on to a wall. Cable is at the bottom.
2. In a wall-mounted box. Cable must be in the centre, at the back.



## Specifications HTR-10

*Supply voltage:* Via HU serie Contronics (12V DC)

*Dimensions:* L 125 x W 65 x H 30 mm

### General:

*Temperature* Minimum -10 °C Maximum +50 °C  
*Humidity* < 100 % (not condensing)

### Humidity:

*Resolution* 0.5% RH min.  
 0.3% RH typical  
*Absolute accuracy* 10-90% < 2% RH  
 0-10% 2-4% RH  
 90-100% 2-4% RH

*Range* 0-100%  
*Reaction time* 4 sec.  
*Stability* < 1% per year

### Temperature:

*Resolution* 0.04 °C min.  
 0.01 °C typical  
*Absolute accuracy* 0.5 °C at 25 °C  
*Range* - 40 °C min.  
 + 70 °C max.

## OPTION

HTR-10BEUGEL-02

Bracket for mounting on the outflow tube HU-SYS