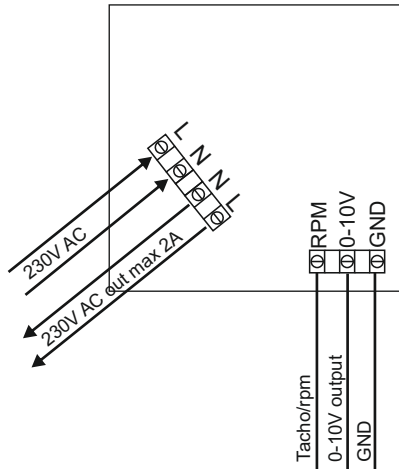
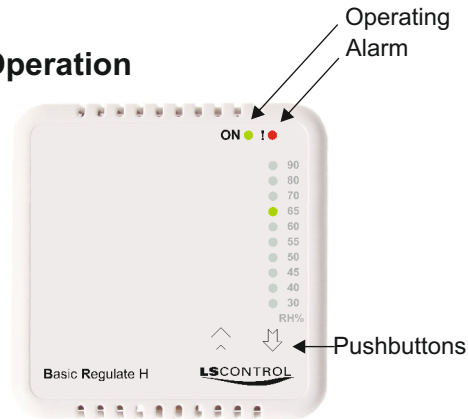


# BasicRegulate Humidity

## Electrical diagram



## Operation



Press the arrow-up or down shortly to get the current humidity value. Pressing either arrow-up or down for 3sec. opens the possibility of changing the humidity set-point. Use arrow up/down to adjust the value up or down. Set-point is locked after 10sec.

## Technical Specifications:

Power Supply: 230V AC 50Hz ±10%  
0-10V Output: 5mA  
230V Output: Max 2A!  
Working Area, Humidity: 5-95% RH  
Adjustment Area, Humidity: 30-90% RH

Enclosure: IP20

Dimensions: 85x85x30mm

## Description:

Regulator with build-in sensor and warning light. The regulator supply a 0-10V output signal for a ventilator, damper or other equipment. Minimum output signal is adjustable.

BasicRegulate has a green LED lit, when operating and a red LED warning light which can be used for filter monitoring (if a pressure switch is connected) or for monitoring Tacho signal or rpm from an EC-motor / ventilator. If the 0-10V output is lower than 1.7volt the tacho/pressure switch is not monitored.

## Default settings:

Minimum output (0-10V): 2volt  
Regulation direction : UP (higher humidity gives higher output)  
Input type (Tacho or Pressure switch) : Pressure switch

## Changing default settings:

Simultaneously pressing down arrow up/down buttons for 30sec. until both operating and warning LED flashes.  
Minimum output can now be adjusted up or down using the arrow up/down buttons. The lowest LED represents 0V, each LED represent 1V up to 10 LEDs lit= 9V)  
After 10sec. without using the arrow up/down buttons it will be possible to adjust the regulating direction. If the 3 top LEDs flashes direction is UP and if the 3 lowest LEDs flashes direction is down. Changing direction is done with the arrow up/down buttons.  
After another 10sec. without using the arrow up/down buttons it will be possible to set input type to tacho or pressure switch. Pressure switch is indicated by the 4 LEDs in the middle are constantly lit - to change this setting to tacho - press the up/down arrow - when the 4 LEDs in the middle flashes tacho input is selected.  
BasicRegulate returns to measure- / regulation mode 10sec after last keystroke at the end of above cycle.

## Mounting:

Mount directly on wall or on top of a wall panel.

Drawing: 950-207166 BasicRegulate\_Humidity\_ES1090

Version / Rev. 2.0

Date: 10/9-18

Drawn by: BJ/UP/df

Manufactured by: LS Control A/S

Industrivej 12, DK-4160 Herlufmagle, Denmark

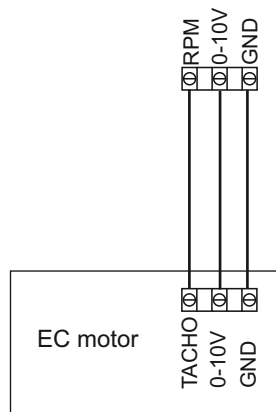
lsc@lscontrol.dk

tel. +45 5550 5550

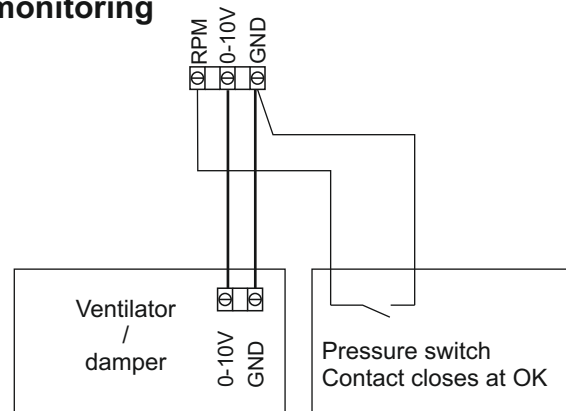
fax +45 5550 2265

**LSCONTROL**

## Connection to EC-Motor



## Connection for damper/Ventilator or filter monitoring



**NOTE:** If BasicRegulate is not connected to neither EC-motor nor PressureSwitch the GND and RPM clamps must be connected to each other and input type must remain at default setting (pressureSwitch)