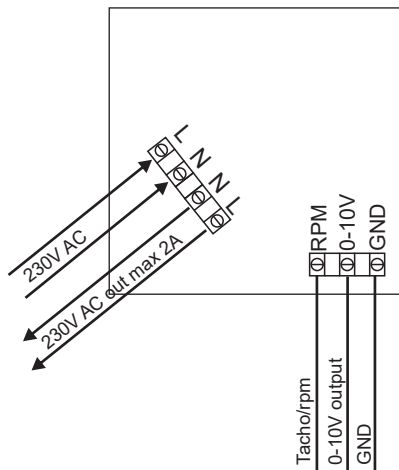
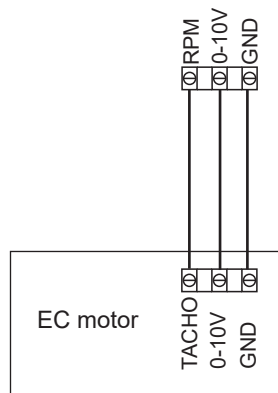


BasicRegulate 0-100%

Electrical diagram

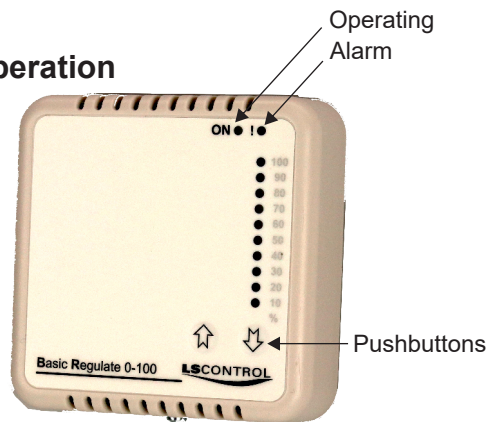


Connection to EC-Motor



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)

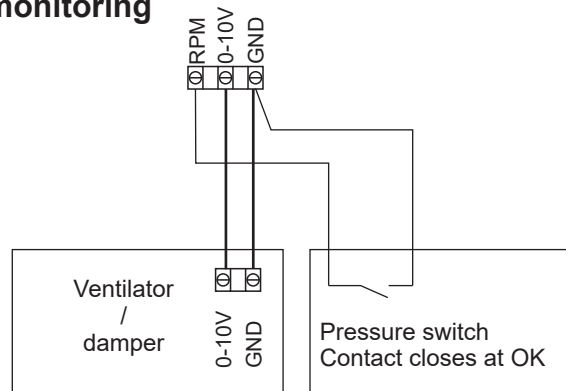
Operation



Press the arrow-up or down shortly to adjust the 0-10V output up or down.

Pressing the arrow-down for 3sec. will put the regulator into standby. In standby the 0-10V output will go to 0V and there will be no alarm monitoring. Likewise the LED's of the %-scale will switch off. Pressing either the up or down arrow shortly will bring the regulator back to normal mode.

Connection for damper/Ventilator or filter monitoring



Technical Specifications:

Power Supply: 230V AC 50Hz $\pm 10\%$
0-10V Output: 5mA
230V Output: Max 2A !
Working Area, Temperature: 0-40°C
Adjustment Area, 0-100%

Enclosure: IP20

Dimensions: 85x85x30mm

Description:

Regulator with build-in warning lights.

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 0-10Volt output is lower than 1.7Volt, the tacho / pressure switch is not monitored.

Default settings:

Minimum output (0-10V): 2Volt

Input type (tacho or pressure switch): Pressure Switch

Changing default settings:

Simultaneously press arrow up/down buttons for 13sec. 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 1V, each LED represent 1V up to 10 LEDs lit= 10V (corresponding to 10-100%)

After 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 normal mode 10sec after last keystroke at the end of above cycle.

Mounting:

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

Drawing: 950-207833 BasicRegulate_0-100%_ES1090

Version / Rev. 1.1

Date: 12/3-21

Drawn by: BSJ/df

Manufactured by: **LS Control A/S**

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