

SCONTROL Pressure / Flow Regulator ES 10

ES 10

LSCONTRO

Description

ES 10 is a constant pressure (Pa) or constant flow (m/s) regulator designed for use in ventilation systems. All pressure or flow sensors transmitting a 0-10VDC output signal is supported.

ES 10 is equipped with a 0-10VDC regulating output and a start/stop relay, which can control a frequency inverter or a voltage regulator. The ES 10 can be set in 3 different operating modes with corresponding setpoints: day mode, night mode or max operating mode.

If a NTC temperature sensor is connected the ES 10 can be set to outdoor temperature compensation.

As the ES 10 is also equipped with a potentialfree alarm output, the ES 10 can be connected to the CTS equipment or other alarm equipment.

Warning



ESD Sensitive when lid is off. Make sure to be ESD discharged before touching terminals etc.

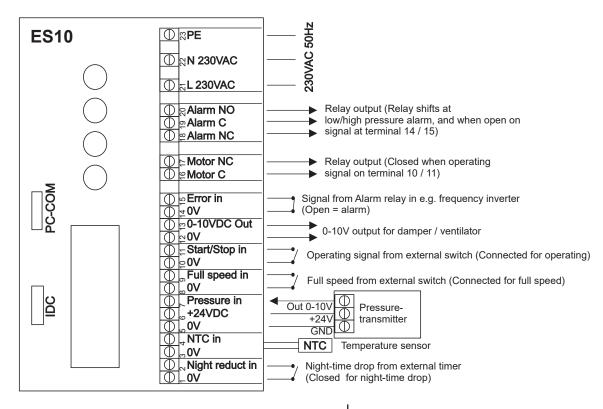


CONTACT HAZARD

Take care of live parts (230V AC) in the device during installation and setting.

Must be mounted on a plane, stable, non-vibrating or moving surface in a non-condensing environment where it is not exposed to direct sunlight.

Terminal Connection



Factory Setting of ES 10

ES 10 is set to keep a constant pressure according to below set points. Day mode: 200Pa, Night mode: 150Pa, Max mode: 450Pa. Pressure for alarm: ±100Pa, Time for alarm: 300sek.

Outside temperature compensation is OFF.

Motor out max at 10V = 100%, Motor out min at 0V = 0%.

Sensor max: 500Pa (10V out of sensor), Sensor at 0Pa measured: 0,0V

Inverted 0-10V motor output: OFF, Language: Danish.

For further options or changing of the set points please refer to the ES 10 manual which can be downloaded by scanning the QR-code or from the product page on our web page.



QR code for download of ES 10 manual

Technical Specifications

Supply Voltage: 230V AC $\pm 10\%$ Power: Max 15VA Enclosure: IP54 Dimension (HxWxD): 120x170x60mm

Operating Temperature: -20 - 50°C, Display 0-50°C Humidity: 0-97% RH non-condensing

250VAC, 8A Ac1. (terminal 18, 19 og 20) 250VAC, 3A Ac1. (terminal 16 og 17) 0-10VDC max 20mA. Alarm Relay: Motor Relay:

0-10VDC out for motor: 0-10VDC in, 4,7Kohm. Pressure input:

+24VDC out, +50%, -20%, Max 80mA +24VDC supply for transmitter: 22Kohm NTC +/-5°C, -40 til 60°C NTC temperature sensor: Max 20m cable is unshielded.

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Manufacturer:: LS Control A/S, Industrivej 12, DK-4160 Herlufmagle www.lscontrol.dk tel. +45 5550 5550 lsc@lscontrol.dk