

Description

MultiController as constant pressure regulator, including pressure transducer.

When the versatile MultiController is used as constant pressure regulator a range of advantages and possibilities is included:

- Build-in calendar control
- Display
- ModBus

Furthermore, the PressureBox comes with 4 pressure area selections to choose amongst depending on the task (0-2500Pa, 0-1500Pa, 0-500Pa or 0-250Pa).



Warning



ESD Sensitive when lid is off. Make sure to be ESD discharged before touching the push-buttons.



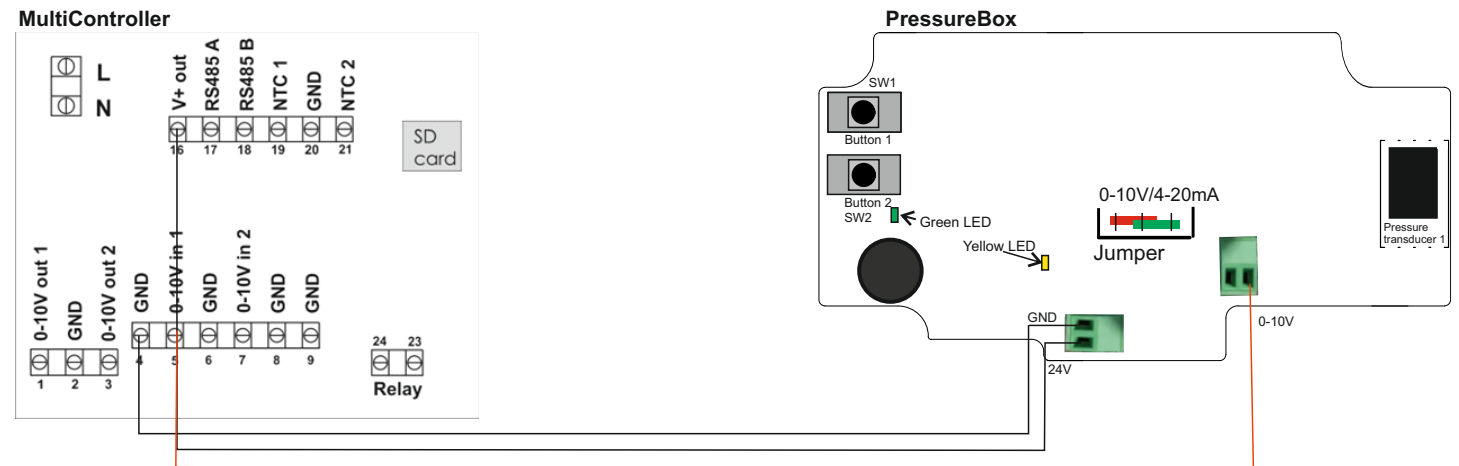
CONTACT HAZARD

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

Mounting

Must be mounted on a non-vibrating surface in a non-condensing environment where not exposed to direct sunlight.

Terminal Connection



Set-up of MultiController

After choosing language choose Quick setting 06 (Constant pressure) in MultiController.

If other pressure area than 0-500Pa is required, Max is changed in Menu point E16 (remember to also change pressure area in PressureBox)

If other set point than 200Pa is required, it is changed in menu point C1 (input is already set to be >pressure<)

For setting of outdoor temperature compensation, night/day operation etc. please scan QR-code below for manual.

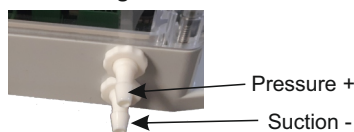
Technical Specifications

Supply Voltage MultiController: 230V AC $\pm 10\%$
 Enclosure, both: IP54
 Dimension MultiController (HxWxD): 87x87x42mm
 Dimension PressureBox (HxWxD): 65x145x40mm

Pressure tube connection: $\varnothing 4\text{mm}$
 Pressure area: 0-2500Pa (factory setting 0-500Pa)
 Pressure accuracy: $\pm 1,5\%$ of measured value
 $\pm 3\text{Pa}$

Humidity: 0-97%RH non-condensing
 Operating temperature: 0°C til +50°C non-condensing

Connecting Pressure Tubes



Changing Pressure Area for PressureBox

To change the pressure range of the transducer press button 1 so the yellow LED is constantly lit.

Press button 1 the number of times required to get the wanted pressure range.
 1 time for 0-250Pa
 2 times for 0-500Pa
 3 times for 0-1500Pa
 4 times for 0-2500Pa.

Press button 2 to save the selected pressure range. Also the selected setting is saved if no buttons are pushed for 10 seconds. Yellow LED turns off when pressure area is saved

PressureBox is now ready to be used as pressure transducer where the pressure is read through the analogue output signal as 0-10V or 4-20mA signal.

The green LED will repeatedly flash the number of times corresponding to the selected pressure range.

If wrong pressure area has been chosen, the procedure needs to be repeated from the beginning.

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Drawn by: DF

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QR-kode for download of MultiController manual