

## SmartPressureGate FanControl



### SPG

#### 1. Specifications:

Supply Voltage: 100...240 VAC bei 47...63 Hz, 140...340 VDC  
 Consumption Current: 200 mA max.  
 Display: 3 Digit LED for LP, 3 Digit LED for HP  
 Output contact rating: 5A @ 250 VAC  
 Operating temperature: -25°...+75° C RH 60 %  
 Protection: IP 65 according DIN EN 60529 / ICE 60529  
 Analog output LP: 4...20 mA / 0...10 VDC @ -1...+19 bar  
 Analog output HP: 4...20 mA / 0...10 VDC @ 0... 50 bar or FanControl  
 Pressure connection: 7/16" - 20 UNF  
 Refrigerants: R22, R134a, R404a, R407c, R407f, R410a, R448, R449, R507

Options: other refrigerants on request

#### 2. Pressure Ranges:

	Low pressure (LP) relative	High pressure (HP) relative
Pressure Range	-1...+19 bar / -14...+275 psi	0...50 bar / 0...+725 psi
Accuracy	±0,5 % Fullscale	
	±0,1 bar / ±1,5 psi	±0,25 bar / ±3,6 psi
Overload warning	1 % overload (OFL is blinking and acoustic warning)	
	19,2 bar / 278 psi	50,5 bar / 732 psi
Overload	3% overload (OFL in display and acoustic warning)	
	19,6 bar / 284 psi	51,5 bar / 746 psi
Physical Overload	40 bar / 580 psi	100 bar / 1450 psi
Burst pressure	60 bar / 870 psi	140 bar / 2030 psi

THE SMART SOLUTION FOR SMART PEOPLE.

### SmartPressureGate

#### All in one product

Exchange of common solution with pressure gauge and mechanical pressure switches.

- 1 pc high pressure gauge
- 1 pc low pressure gauge
- 1 dual pressure controller
- 2 pressure controller

#### Get more for less

More function for less

- less installation time
- less material
- less leakage
- less space on the frame
- 2 mechanical connections instead of 6
- 1 central electrical connection
- 1 fixing point

#### Make hard work to easy play

- less setting expenses
- easy to program
- less setting time
- exact setting point
- no readjustment

#### Punctual like Germans

- accuracy up to ±0.5 % Fullscale
- made in Germany

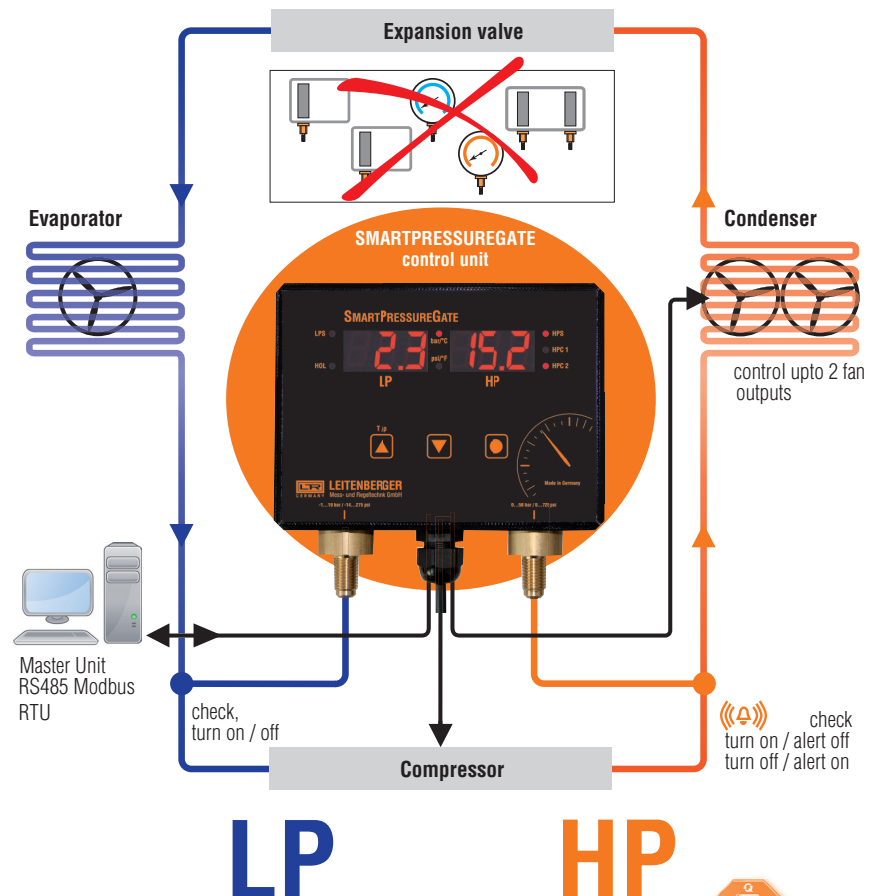
#### Full control

Communication connection via RS485 with modbus RTU protocol. It is possible to monitor, manage alarms and outputs and log all data.

Simple exchange of mechanical components by same mounting points and connections.

#### YOUR ADVANTAGE:

- more precisely:** by high accuracy
- more reliably:** by overload warning in 2 steps
- higher lifetime:** by high-quality and robust materials and processing
- more functionally:** replacing of analog components without conversion work, freely adjustable parameter
- more flexibly:** units (bar/psi, °C/°F) can be adjusted directly at the keypad on the device
- safer:** with password protection



ISO 9001:2008  
 Reg.no. 12 100 24343 TMS

reserve technical changes - stand 09/2016