

Digital Display

with installed power supply,
programmable for pressure transmitters

4-digit, 96x48x130



Model **DPM**

General function

The process-controlled digital display **DPM** can be set via front panel key pad and sliding switches.

Both the span of the LED and the limit values can be adjusted via the easy to use 3-key pad and optionally can be locked with the sliding switch.

With the optional 2 or 4 alarm contacts smaller process controlling functions can be realised easily, cost-saving and without any additional devices. Because of its splash-proofed front the **DPM** is excellently suitable for applications in rough industrial environments.



Features

- front-sided protection type IP65
- optional current output 0/4-20mA
- optional 2 or 4 limit values
- adjustable hysteresis
- sensor supply (for output -gs)
- lighted signal unit marking (any unit)
- plug-in terminal blocks
- CE-marking

Ordering Information

Basic model	DPM	
Input	co-current flow	= gs
	Pt 100	= pt
	potentiometer	= P
Current output	without (standard)	= without information
	0/4-20 mA	= sa
Switching outputs	2 limit values	= 2 GW
	4 limit values	= 4 GW
Power supply	230 V AC, 24 VDC or 115 V AC	
Special version	e.g. current output (sa) 0-10 V; others upon request	

Examples

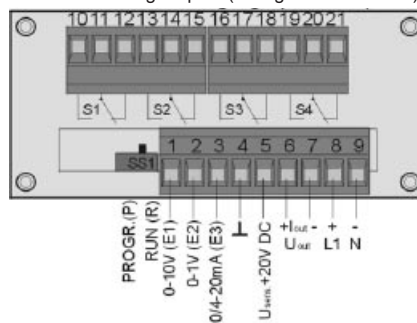
DPM-gs-2GW, 230 V AC

Technical Data

Case	switch panel mounting	96x48x130mm with 2 lateral mounting clips
Panel cut out	(WxH)	92.5x45mm Tol. -0.5mm
Protection type	front- / back-sided	IP65 / IP20
Ambience	operating temperat.	0...+50 °C (32...122 °F)
	storing temperature	-20...+70 °C (-4...158 °F)
	air humidity	0...95% without bedewing
Input	Pt100	-100.0...+600.0 °C (-148...1112 °F)
	current / voltage	0/4-20mA (R _i =50Ω), 0-1V, 0-10V(R _i =50kΩ)
	potentiometer	0.1...10kΩ
Accuracy	and resolution	0.1% ±1 digit, 15 bit
Display	7-segment	-1999...+9999
Sensor supply	short-circuit proof	approx. 20V DC max. 30mA
Auxiliary supply	AC	230V AC, 50/60 Hz approx. 7VA
	AC	115V AC, 50/60 Hz
	DC	24 V DC ± 10% max. 0.3A
Options		
Switching outputs	2 or 4 limit values	250V/3A AC change-over, gold border hysteresis and switching function adjustable
Analogue output -sa	current 0/4-20mA	12bit resolution, max. 500Ω load impedance free adjustable (voltage 0-10V as special version)

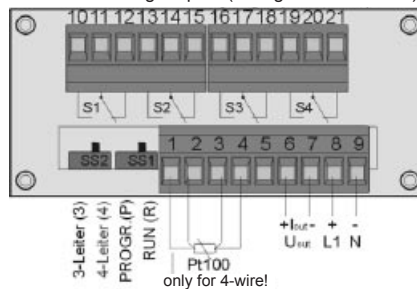
Connection DPM-gs (current/voltage)

max. 4 switching outputs (change-over contacts)

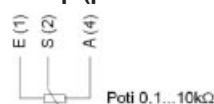


Connection DPM-pt (Pt100)

max. 4 switching outputs (change-over contacts)



Connection DPM-p (potentiometer)



Technical changes, replacement of materials and errors excepted.



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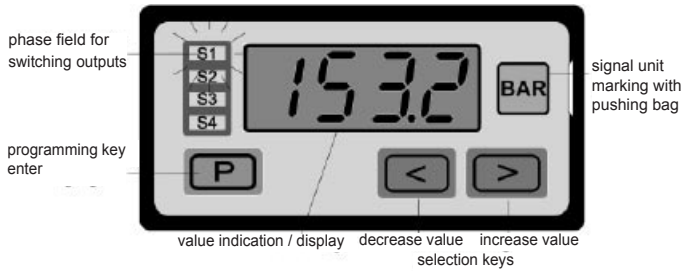


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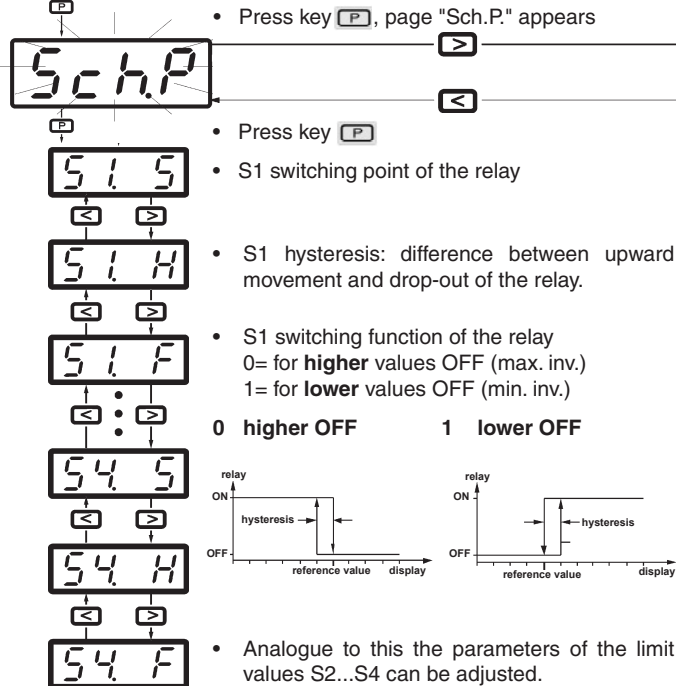
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Operating- and Display Elements

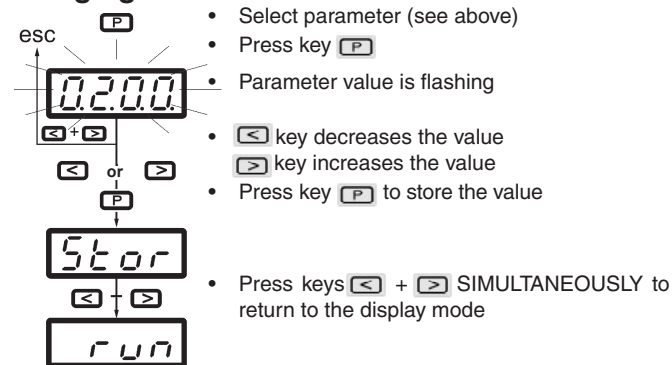


Set sliding switch "SS1" for parameter setting to "P".
After successful adjustment, please set "SS1" to "R", to lock the programme mode.

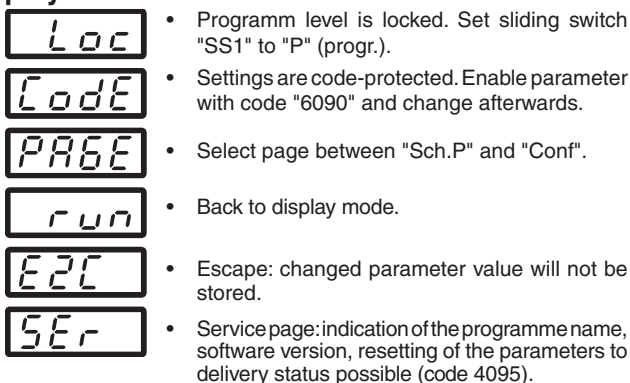
Parameter List for Switch Point Setting



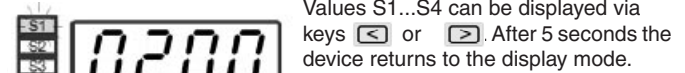
Changing a Parameter Value



Display Information



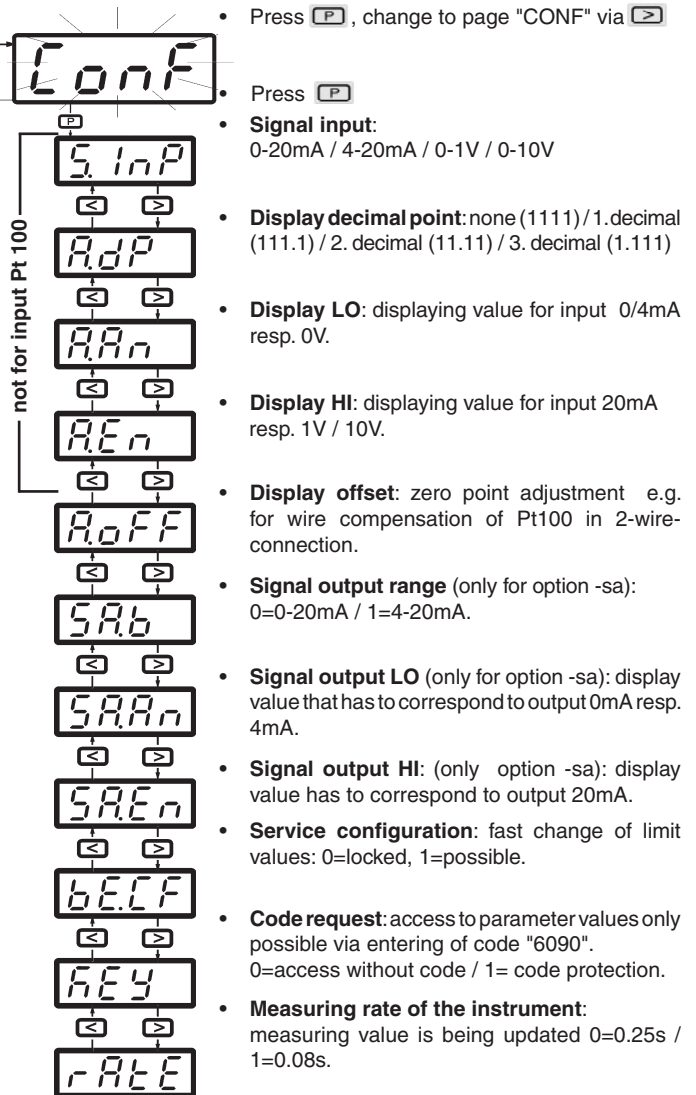
Displaying an Alarm Value (S1...S4)



Fast Change of the Limit Value (S1...S4)



Parameter List Configuration



Alarm Displays

