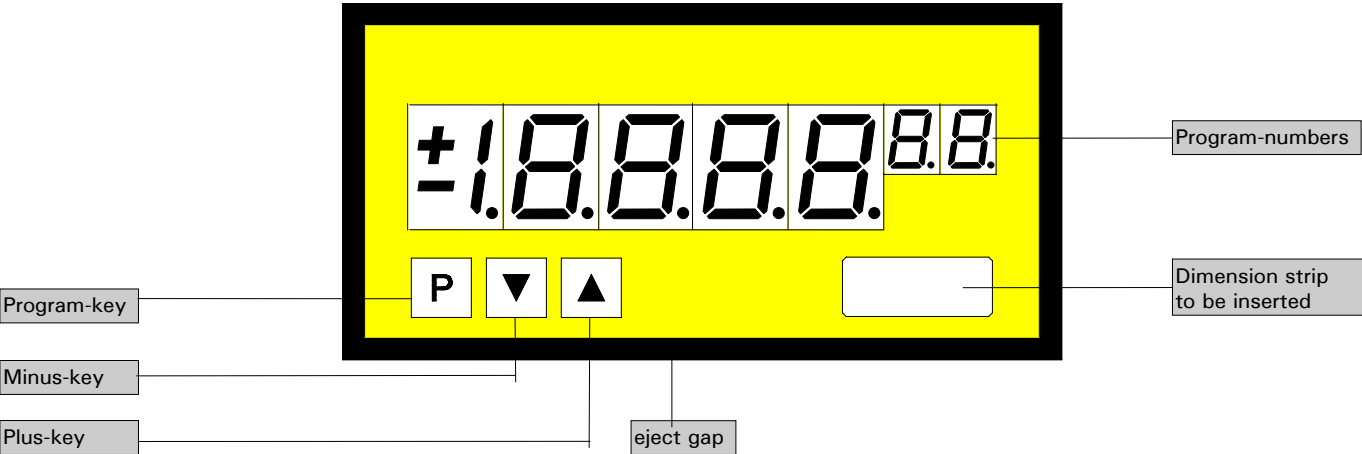


Setpointgenerator

Setpoint with 12 bit resolution
Free scalable indication from -19999 bis + 19999
Mounting into panels with thickness up to 50mm

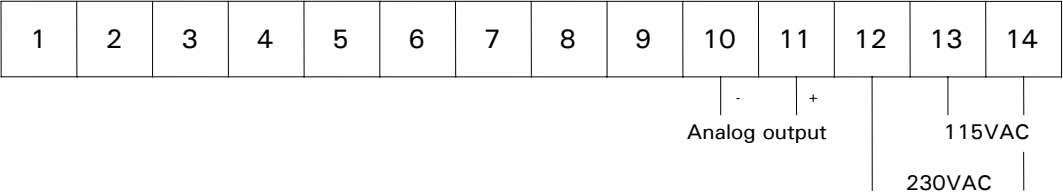
96x48

18888



ORDER NUMBER OF TYPE

0-10V **PS 4.010.112B**
0-20mA **PS 4.020.112B**
4-20mA **PS 4.030.112B**



Power supply 24VDC galv. not insulated
(14 = Plus, 13 = Minus)
Power supply 24VDC galv. not insulated
(14 = Plus, 13 = Minus)
Power supply 24VDC galv. not insulated
(14 = Plus, 13 = Minus)

0-10V **PS 4.010.132B**
0-20mA **PS 4.020.132B**
4-20mA **PS 4.030.132B**

Power supply 24VDC galv. not insulated
(14 = Plus, 13 = Minus)
Power supply 24VDC galv. not insulated
(14 = Plus, 13 = Minus)
Power supply 24VDC galv. not insulated
(14 = Plus, 13 = Minus)

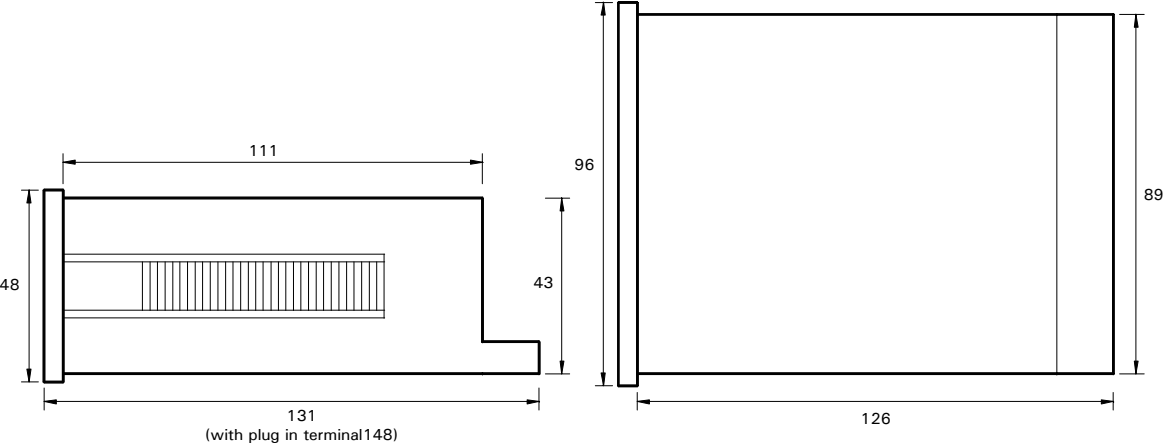
0-10V **PS 4.010.172B**
0-20mA **PS 4.020.172B**
4-20mA **PS 4.030.172B**

Options

- LED green
- Handling behind front pane (IP40)
- Handling behind front pane (IP54)
- Foil keyboard with protection IP54
- Foil keyboard with protection IP65
- Plug in terminal with protection IP40 (handling behind front pane)
- Plug in terminal with protection IP54 (handling behind front pane)
- Plug in terminal with protection IP40 and foil keyboard
- Plug in terminal with protection IP54 and foil keyboard
- Plug in terminal with protection IP65 and foil keyboard
- Other power supplies on demand

Technical data

Dimensions	Housing	96 x 48 x 134 including screw terminal
	Assembly cut out	92.0 ^{+0.8} x 45.0 ^{+0.6} mm
	Fastening	Special quick plastic clamp proper to fix in wall thickness up to 50mm
	Housing material	PC-ABS-Blend, colour black, UL94V-0
	Protective System	At the front IP40
Output	Connection	Connection IP00
	Weight	Approx. 0,450kg
	Connection	At the rear side via terminals up to 2,5mm ²
	Analogue output	0-10VDC (12 bit)
		0-20mA (12 bit) - load 500 Ohm
Power unit		4-20mA (12bit) - load 500 Ohm
	Supply voltage	230/115VAC +/- 10% (50-60Hz), 24VDC (18-30V), 24VDC +/-10% galvanically insulated
Indication	Power consumption	approx. 5VA
	Display	LED with seven segments, 14mm high, red
Ambient conditions		4 ½ digit = indication 19999
	Working temperature	0 up to + 60 °C
	Storing temperature	-20 up to + 80 °C
Housing:		



CE-sign
For unlimited use of the instrument within the directives for electromagnetic compatibility 89/336/EC analog input wires have to be used with shielded cable and cable's shield connected to earth ground at one end only.

Pinout diagram for the 14-pin connector:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Analog output										-	+	115VAC		13 14
														24VDC

1. In case of using the instrument without keypad detach front pane with a small screw driver leading between front pane housing supported by the eject gap.
2. Connect the instrument according the wiring diagram.
3. After power on, the instrument runs into a lamp test and returns back to the standard mode.
4. Pressing the **P**-key enters the program mode with indication of „1“ in the right display.
5. Pressing the **P**-key and **▲** key simultaneously steps through the different program-numbers.
6. To change values use **▲** or **▼** key.
9. The remaining values will be memorized automatically 7 seconds after the last touch of key with leaving program-mode.

After power on the instrument with his inbuilt microcontroller starts with an initial program activating lamp test and readout of memorized parameters in an EEPROM. In case of losing parameters or any defects in hardware the system generates an error message "HELP". This function prevents damage from peripherals and human life, totally reset is required. After a new power on, the system remains in lamp test while pressing **P**-key. Then the unit stores the default parameters and is ready for new programming.


Program number (PN)	Function	Remark	Display	Basic parameter after reset
1	Eingabe des gewünschten Sollwertes (lower limitation)	e.g. 00.00 = 0mA or 0VDC	0 to +/-19999	0
2	Eingabe des gewünschten Sollwertes (upper limitation)	e.g. 20.00 = 20 mA or 10VDC	0 to +/-19999	5000
3	Setting of decimal point	Press ▲ until the desired decimal point is shown.		no. dec. point

Example for programming

The basic adjustments concerning to the following program example are the ground parameters after a total reset occurring through a power on with pressing **P**-key (see previous page). Instruction for programming: In program mode the system remaining 7 sec. after last touch of key and then automatically jumps back into standard mode.

-1.8.8.8.8.8.8.

				0		
--	--	--	--	---	--	--


P

				0		
	▼	▲				

5000 2

10000 2

P **▲**

0.00

All programmed values are memorized after 7 sec. Jumps back into standard mode automatically.

subject to technical alteration – status 13.08.01 -
PS401E.DOC