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PA200

INSTRUCTIONS MANUAL



DESCRIPTION

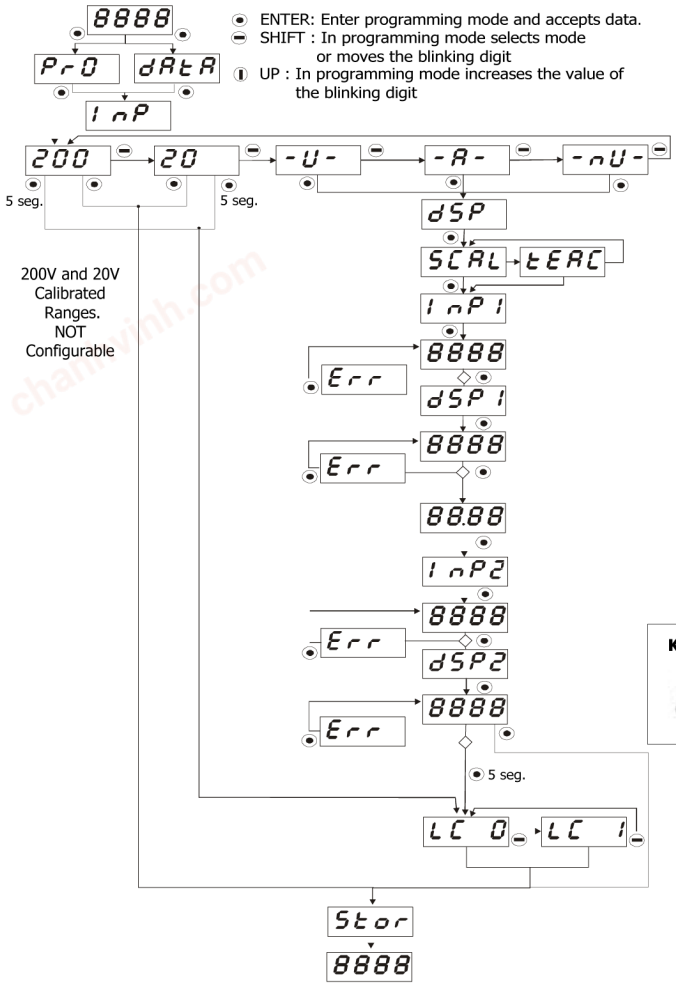
-INDICATOR for:
-PROCESS (±0-10V, ±20mA)
-VOLTS DC ±(200.0V and 20.00V)
-AMP DC (shunt ext.)
-mV (±100mV)

48 x 24 mm frontal

Panel meter for indication of **volts, mA and mV** DC, completely programmable.
Display range –1999 ÷ 9999, programmable decimal point.
Three keys keyboard situated on the bottom of the display.

PROGRAMATION

Display range: Input -U- ±(0-10V) -A- ±(0-20mA) ..... -1999 ÷ 9999
Display range: Input -mU- ±(50/60/100mV) ..... -1999 ÷ 1999
Display range: Input 200 ..... calibrated -199.9 ÷ 199.9
Display range: Input 20 ..... calibrated -19.99 ÷ 19.99



SCAL: Programming method introducing **InP1** and **InP2** values by keyboard.
tEAC: Programming method where instrument learns actual values of **InP1** and **Inp2.**
InP1 , **InP2** : Input signal values corresponding to desired display **dSP1** and **dSP2** .
dSP1: Display value corresponding to **InP1**.
dSP2: Display value corresponding to **InP2**.
LC 0: Programming unlocked.
LC 1: Programming totally locked.(Show all parameters like **dAtA)** .

TECHNICAL CHARACTERISTIQUES

INPUT	VOLTAGE			CURRENT	
	200	20	-U-	-mU-	-A-
Range	±200V	±20V	±10V	±100mV	±20mA
Resolution	0.1V	0.01V	1mV	0.1mV	0.01mA

INPUT IMPEDANCE
Volts 1MΩ
mV 100MΩ
mA 12,1Ω

ACCURACY at 23ºC ±5ºC
Max Error. ..... ±(0.1% of reading + 3 digits)
Temperature coefficient ..... 100 ppm/ºC
Warm up ..... 5 minutes

POWER SUPPLY AND FUSSES (DIN 41661) (Not supplied)
PA200.004 85–265 VAC 50/60 Hz and 100-300VDC F 0.1A/ 250V
PA200.005 21-53 VAC 50/60Hz and 10,5-70VDC.. F 0.5A/ 250V

CONVERSIÓN
Technical ..... Sigma-Delta
Resolution ..... ±15 bits
Rate ..... 25/ s

DISPLAY
Range ..... -1999 ÷ 9999
Type ..... 4 dígitos rojos 10mm
Reading rate 4/s
Overflow indication ..... OuE

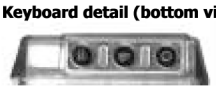
ENVIROMENTAL
Operating temperature ..... -10ºC ÷ +60ºC
Storage temperature ..... -25ºC ÷ +85ºC
Relative humidity (non condensed). ..... <95% ÷ 40ºC
Maximum altitude ..... 2000m.
Panel sealing IP65

INSTALATION AND CONECTION

DIMENSIONS
Dimensions ..... 48 x 24 x 70mm.
Panel cutout ..... 45 x 22mm.
Weight ..... 50 g.
Case material ..... Polycarbonate s/ UL 94 V-0

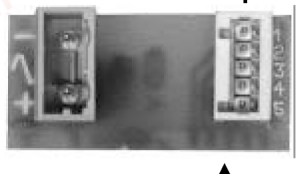


Keyboard detail (bottom view)





Wire connection tool



Back view

1. –IN (COMMON).
2. +(50/ 60/ 100) mV DC.
3. +20mA
4. +(10/ 20)V DC
5. +200V DC

WARNING
In order to guarantee electromagnetic compatibility, the following guidelines for cable wiring must be followed:
Power supply wires must be routed separated from signal wires. **Never** run power and signal wires in the same conduit.
Use shielded cable for signal wiring and connect the shield to ground.
The cable section must be ˜0.25 mm•

INSTALLATION
To meet the requirements of the directive EN61010-1, where the unit is permanently connected to the mains supply it is obligatory to install a circuit breaking device easy reachable to the operator and clearly marked as the disconnect device.

CLEANING: The frontal cover should be cleaned only with a soft cloth soaked in neutral soap product.
DO NOT USE SOLVENTS

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