

Precision Multiloop Process Regulator

Developable in IEC 61131 standard

PC-449

... FOR HIGH REGULATION ACCURACY REQUIRED



The image shows the PC-449 Process Regulator interface. The main display shows TA = 53.7 (0.5) with TA (°C) and SP (°C) labels below it. The interface includes several buttons: Sel. FUNCTIONS, Set Param., PROGRAM, FAN RUNNING, WORKING, DEFROST, THERMAL TRIP, Sel.FUN (down), Sel.FUN (up), EXP, CLEAR/RESET, and ENTER/YES. The ably logo is at the bottom right of the interface.

INPUTS

- N° 4 (Pt100, mA, V)
- N° 3 di

OUTPUTS

- N° 5 relays
- +out
- N° 2 x 4÷20 mA Source

SERIAL I/O

- N° 1 RS-232
- N° 1 RS-485

Supply 100÷230Vac

Application fields:

Coldrooms Seasoning
Drying Meat defrosting Refrigeration
Blast chiller Sterilization
Ripening

Main features:

- 4 analog configurable inputs (Pt100, mA, V)
- precision >15 Bit
- 2 isolated analog outputs (4÷20mA) source
- 5 relay outputs
- 3 digital inputs
- Isolated RS-485 supervision interface, (Modbus protocol)

TECHNICAL DATA

Cpu configuration:
16 bit microcontroller
real time clock + 32K ram lithium battery backup
38K data ram , 512K flash Eprom
Multitask realtime operating system

Serial interfaces: RS-232, RS-485 (insulaTGed)
Analog inputs: 4 config. Pt100/mA/V.
Resolution: > 15 Bits
Analog outputs: 2 (4÷20 mA, insulated)
Digital inputs: 3
Relay outputs: 5

Supply: 100÷230 Vac), 6Va

Operator panel:

- 16 alphanumeric characters,
LCD backlight display
- 5 functional buttons
- 8 warning LEDs
- Fixed to panel with screw brackets
- front panel made of unscratchable polycarbonate Ip54

Optional: mask for increasing protection to IP65

Mechanical data:

- Self-extinguishing ABS container,
- dimensions DIN 43760 (96x96 P110 mm),

DEVELOPMENT TOOLS

IEC 61131 Workbench for Windows**
platform (98/Me/NT/2000/XP).

It consists of:

-ISaGraf * For programming, debugging
and documenting all PLC functions in
conformity with IEC 61131 standard.

- O-PALC ISaGraf EXTENSION

Additional program for the operative
panel management

It makes the applicative libraries available
with its source code



* ISaGraf is a CJ International trade mark.
** Windows is a Microsoft trade mark.

ORDER CODES

PLC REGULATOR

- PC-449; 4 AI conf. mA, Volt, Pt100; 3 Di; 2AO
(4÷20mA); 5 relay; supply: 110÷230Vac

-----Code: **802A0040**

TOOLS

- Ably ISaGraf Extension V31
(Operator panel management additional program)

-----Code: **TOPL31CD**

- ISaGraf Wd2 WORKBENCH for programming and
debugging all devices with max 32 I/O

-----Code: **4C000011**

- PC-449 to Rs232 db9 PC connecting cable (length
2mt). It allows programming and debugging

-----Code: **60P38000**



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