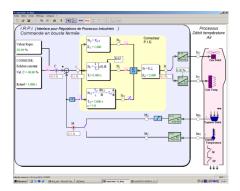


Servo system & Process control





ERD -010-B

Sofware D_REG Ref : ERD 010 100



ERD 010 B including:

ERD010000: I. R. P. I. module (Industrial Process Control Interface). Enabling the conversion of the Unit (PC) into industrial controller with 3 inputs and 2 outputs. Connection is carried out by safety 4mm sockets in current loop industrial interface.

It has: 2 relay outputs, 2 optotocoupled inputs, 0/24 Vdc ON/OFF

3 current inputs, 2 current outputs, 0-4/20 mA USB link to the computer (RS232 on request)

STANDARD CONFIGURATIONS

ERD010B: Industrial process control Command Pack		
Reference	Description	Quantity
ERD 010 000	Industrial process control interface «IRPI » provided with its control program under Windows (PC not included)	1
ERD 010 100	D_REG program, control and acquisition	1
ERD 010 010	Technical guide and user guide	1
EGD 000 006	USB cord, AA model	1
EGD 000 005	24 Vdc, 2.9 A Power Supply	1
EGD 000 018	Suitcase for packing the unit and its accessories	1

Document non contractuel



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ERD010100 : D_REG, CONTROL PROGRAM:

On Windows XP and later (Professional editions) environment, it enables the control of the « IRPI » interface, via USB link (RS232 on request).

- selection of the system structure: flow or temperature open loop / closed loop systems,
 - selection of control type and specific values: constant step, ramp, sine, trapezoid signals,
 - selection of the corrector and its adjustments (can be modified during operation),
 - selection of acquisition and recording parameters,
 - selection of measurements units,

It also enables the structured running of experimental work:

- request of time response display of one (or several) characteristic parameter(s) : flow, temperature, spacing, corrector output, etc...
 - modification of time diagram scales (X or Yzoom)
 - recording of the running test, comparison with the preceeding tests,
- determination of automatic control characteristic values (time constant, 5% time response, overflow amplitude etc...),
 - response curves recording,
 - transfer of result curves to be controlled by others process software such as MATLAB.

