

celduc® relais

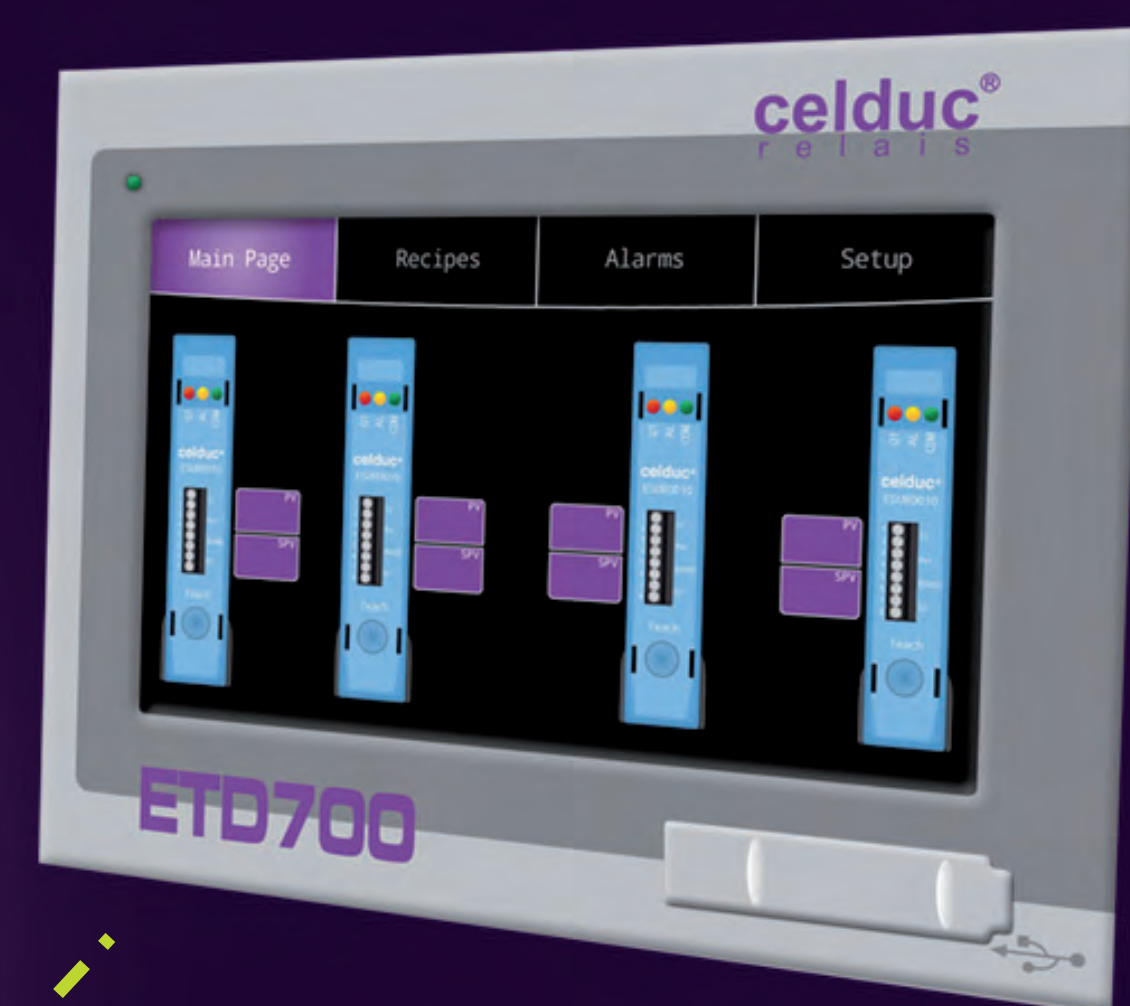


celpac® 2G ECOM

Temperature controller combined
with power Solid State Relays

- ▶ Current Monitoring
- ▶ FieldBus Communication

Save space, wiring and cost !



ECOM : Temperature controller, current monitor and communication interface in one unit, combined with a Solid State Relay (SSR).

The solution for space reduction and wiring simplification !

The ECOM is the most compact solution available on the market that incorporates the latest measuring and control technology. Pluggable on a celduc® relais SSR type SU and SUL, it can answer the needs of cost reduction of electrical cabinets (smaller), PLC (less analogue and digital I/O's) and wiring (bus communication).

- ▶ Temperature controller with thermocouple input, loop and heater break alarms, heating and cooling PID autotuning ...
- ▶ Current monitoring and alarms up to 50A with current transformer (CT)
- ▶ RS485 communication with MODBUS RTU (others on request)
- ▶ Pluggable module on a 22,5mm pitch SSR
- ▶ J, K, T, E thermocouples
- ▶ Auxiliary output for cooling, alarm or 3 phase application control

The control accuracy can fit requirements of various application fields like extrusion or injection plastic moulding, packaging, drying ovens, glass tempering furnaces, semiconductor industry ovens and dryers, reflow soldering machines, cooking ovens,

- Space and cost reduction
- Wiring simplification

Main features

Box	Module 22,5mm celduc relais SU and SUL ranges
Power supply	24Vdc +/- 10% (galvanically isolated from RS485 and input)
Sealing	IP20 (Box and Terminal blocks)
Quick set-up options	Software LABSOFTVIEW® (in cooperation with Pixsys)
Thermocouple input	1 selectable input TC, K, J, T, E
Current Transformer	Integrated C.T. with 50A - resolution 0,1A
1 auxiliary output (alarm...)	Configurable, 24 Vdc - 50mA max.
Serial communication	RS485 Modbus RTU - Slave (9600... 115200 Baud)
Control algorithms	ON-OFF with hysteresis, P., P.I., P.I.D., P.D. time proportioned
Tuning	Manual or automatic
Alarm mode	Absolute / Threshold, band, High / Low deviation. Loop Break Alarm function
Auto/Man function	Output percentage command with automatic change in case of sensor failure
Double P.I.D.	Heating / Cooling P.I.D.

Our distributor



5, rue Ampère - BP 30004 - 42290 SORBIERS - FRANCE
Tel : +33(0)4 77 53 90 20 - Fax : +33 (0)4 77 53 85 51
Tel export : +33(0)4 77 53 90 21
celduc-relais@celduc.com

www.celduc-relais.com