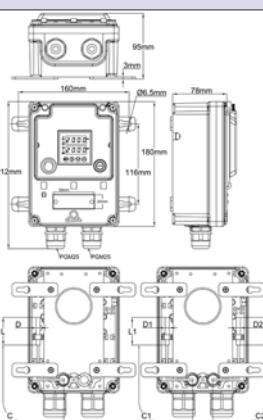
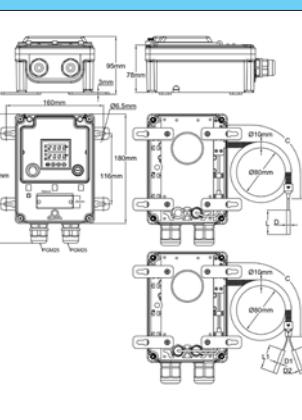
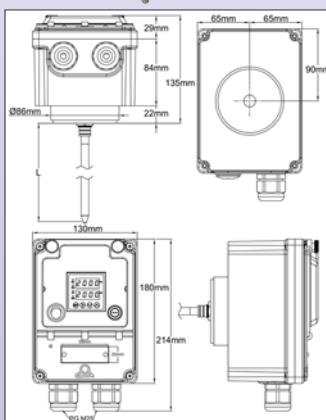
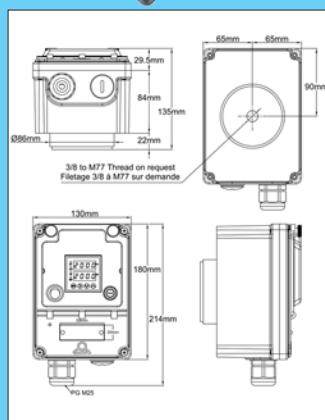


Y6, Y7, Y8 types temperature control boxes

48 x 48 mm, Double display PID Electronic controllers types

Main features

These products come in 4 different dimensional configurations, in control (One sensor) or control + high limit safety (2 sensors or one sensor + one bulb)

Y8 Ambient temperature measurement	Y8 Remote measurement	Y6 Rear rod measurement	Y7 Measurement on rear mounted immersion heater <small>(We do not supply the immersion heater)</small>
 	 	 	 

Main advantages :

- The most efficient electronic controller with double digital display of the Y8 **electronic temperature controls range**.
- Heavy duty housing for outside use, IP65 and IK10.
- Fully configurable: multi sensor, multi output (For more information see catalogue page 47 of the 244CUUB models)

If open circuit or missing temperature sensor and if no power supply, output relay will open (Fail safe action)

Standard equipment :

- Fuse for internal circuit protection
- Illuminated on-off switch
- Soft grip backlit knob printed in °C
- 4 wall mounting removable legs (Y8 versions only)
- Connection block with 5 terminal for 6 mm² wires and 5 terminals for 2.5 mm² wires (10 x 10 mm² for 30A and higher models).

The connection block is equipped with a jumper between terminals 1 and 2, it allows connecting a safety device, a timer, or an external wired remote control.
On versions using power relay(s) this jumper is on the power relays coil circuit.

Controller contact action :

- In models with manual reset high limit thermostats, close on rise contact action is not available on manual reset thermostat.
- Control action: ON-OFF

Contact action (Types with manual reset option) :

Manual reset thermostat calibration must be specified at order. The electromechanical manual reset thermostat can be failsafe or standard. The choice of different configurations depends on the final application, and the requirements to use single poles or multiple pole switching systems, independent or not. Minimum calibration temperature for manual reset thermostats is 40 ° C (60°C for fail safe models), with open on temperature rise contact action.

Cables output :

- Cables gland output board is equipped in standard with one or two M25cable glands (Other cable gland boards: 2 x M20+1xM24, 1 x 1 " or 4 x M20 for flat heat tracing cables, see page 72).
- The two back side M20 X 1.5 outputs are equipped with cable glands with silicone gasket to seal the temperature sensors outlet.
- When the Y8 type is used with backside accessories, the version to use is the distance measurement, and capillary protection tube must be removed.

Standard Accessories :

- 10 PA66 red plastic seals, English-French installation manual.
- **One temperature sensor, Pt100 class B, 5 x 30 mm stainless steel probe, is included in the control box**
- For remote measurement versions, sensor cable length is 2m, protected by flexible corrugated plastic tube.
- Other sensors on request, must be specified when ordering (see standard models page 51 of this catalogue)

Options :

- Infrared remote control
- Enclosure heater
- 115-120V power supply.



Y6, Y7, Y8 types temperature control boxes 48 x 48 mm, Double display PID Electronic controllers types

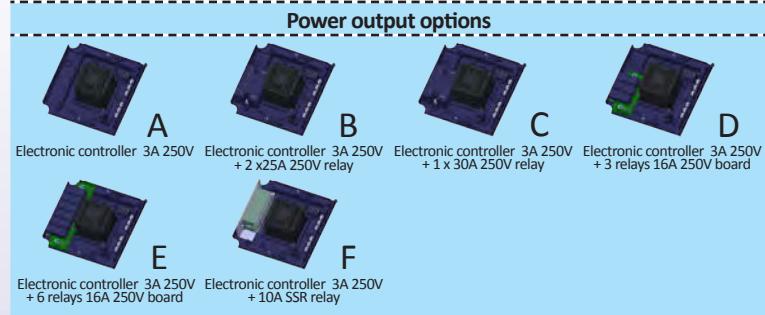
The 3 internal basic configurations and their options

1

244CUUB double display electronic controller



Standard sensor cable length for remote sensor version : 2m



Main references

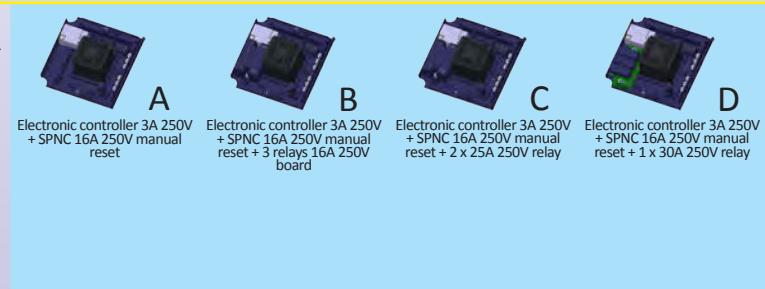
Temperature ranges (°C)	Options*	Ambiant sensor version	Distant sensor version	300 mm long Back rod version**	Immersion heater version***
Fully configurable	A	Y8WJWA3100001AF3	Y8WJWC3100004AF3	Y6WJWC310000LFA1	Y7WJWC310000MFA1
Fully configurable	B	Y8WJWA3120001LF3	Y8WJWC3120004LF3	Y6WJWC312000LFL1	Y7WJWC312000MLF1
Fully configurable	C	Y8WJWA3110001DF3	Y8WJWC3110004DF3	Y6WJWC311000LDF1	Y7WJWC311000MDF1
Fully configurable	D	Y8WJWA3140001HF3	Y8WJWC3140004HF3	Y6WJWC314000LHF1	Y7WJWC314000MHF1
Fully configurable	E	Y8WJWA3170001IF3	Y8WJWC3170004IF3	Y6WJWC317000LIF1	Y7WJWC317000MIF1
Fully configurable	F	Y8WJWA1130001KF3	Y8WJWC3130004KF3	Y6WJWC313000LKF1	Y7WJWC313000MKF1

2

244CUUB double display electronic controller + 8L manual reset high limit thermostat



Standard sensor cable length for remote sensor version: 2m and manual reset capillary length: 1.5m



Main references

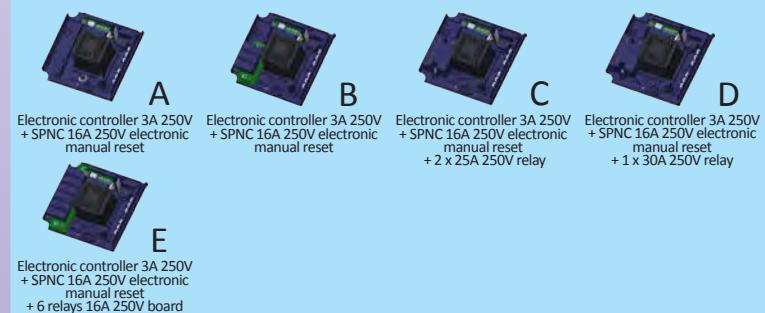
Temperature ranges (°C)	Manual reset calibration temperature (°C)	Options*	Ambiant sensor version	Distant sensor version	300 mm long Back rod version**	Immersion heater version***
Fully configurable	Must be specified with order	A	Y8WJWB31000L1AF7	Y8WJWE31000L6AF7	Y6WJWR31000LFA1	Y7WJWH31000LMAF1
Fully configurable		B	Y8WJWB31400L1HF7	Y8WJWE31400L6HF7	Y6WJWR31400LHF1	Y7WJWH31400LMHF1
Fully configurable		C	Y8WJWB31200L1LF7	Y8WJWE31200L6LF7	Y6WJWR31200LFL1	Y7WJWH31200LMLF1
Fully configurable		D	Y8WJWB31100L1DF7	Y8WJWE31100L6DF7	Y6WJWR31100LDF1	Y7WJWH31100LMDF1

3

244CUUB double display electronic controller + 2PE2N6 manual reset electronic thermostat



Standard sensor cable length for remote sensor version: 2m and manual reset capillary length: 1.5m

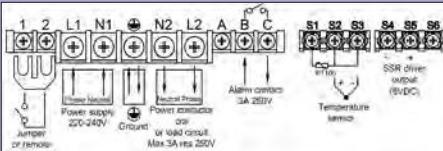


Main references

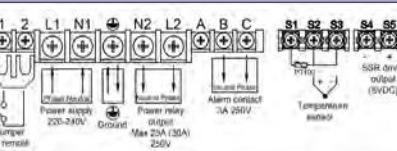
Temperature ranges (°C)	Manual reset calibration temperature (°C)	Options*	Ambiant sensor version	Distant sensor version	300 mm long Back rod version**	Immersion heater version***
Fully configurable	Must be specified with order	A	Y8WJWA31000X1AF7	Y8WJWE31000X6AF7	Y6WJWR31000XFA1	Y7WJWH31000XMAF1
Fully configurable		B	Y8WJWA31400X1HF7	Y8WJWE31400X6HF7	Y6WJWR31400XHF1	Y7WJWH31400XMHF1
Fully configurable		C	Y8WJWA31200X1LF7	Y8WJWE31200X6LF7	Y6WJWR31200XFL1	Y7WJWH31200XMLF1
Fully configurable		D	Y8WJWA31100X1DF7	Y8WJWE31100X6DF7	Y6WJWR31100XDF1	Y7WJWH31100XMDF1
Fully configurable		E	Y8WJWA31700X1IF7	Y8WJWE31700X6IF7	Y6WJWR31700XF1	Y7WJWH31700XMIF1

Wiring diagrams

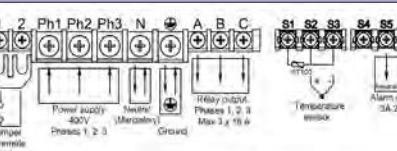
Single pole circuits, 3Amp relay output, SSR output, one 3Amp alarm



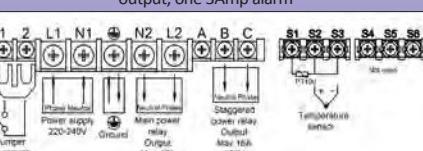
Single pole circuits, 2 staggered relay outputs 16A 250V



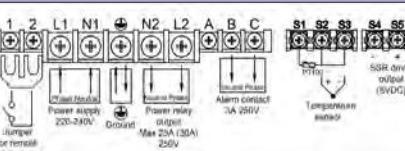
3 pole circuits, 2 staggered relay outputs 3x16A 250V



Single pole circuits, one 25Amp or 30A relay output, SSR output, one 3Amp alarm



3 pole circuits, 3 x 16Amp relay output, one 3Amp alarm



Single pole circuit, 10A incorporated SSR output, one 3Amp alarm

