
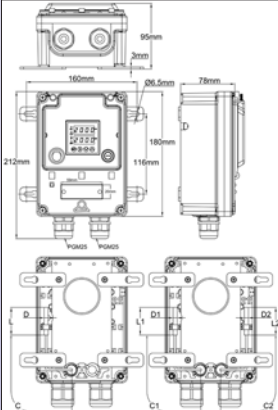

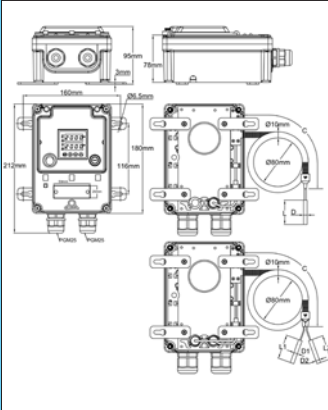

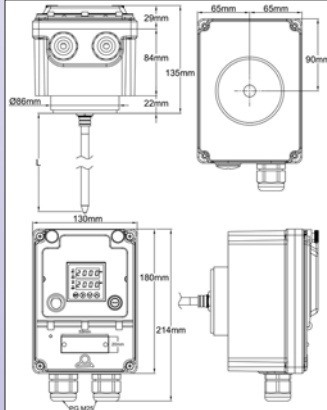

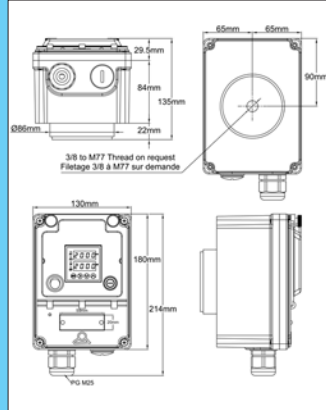


Y6, Y7, Y8 types temperature control boxes 48 x 48 mm, Double display PID Electronic controllers types

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 (We do not supply the immersion heater) |
|--|--|--|--|
|   |   |   |   |

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 M25 cable 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.

Because of permanent improvement of our products, drawings, descriptions, features used on these data sheets are for guidance only and can be modified without prior advice

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

Power output options

A Electronic controller 3A 250V
B Electronic controller 3A 250V + 2 x 25A 250V relay
C Electronic controller 3A 250V + 1 x 30A 250V relay
D Electronic controller 3A 250V + 3 relays 16A 250V board
E Electronic controller 3A 250V + 6 relays 16A 250V board
F Electronic controller 3A 250V + 10A SSR relay

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 | Y6WJWC310000FAF1 | Y7WJWC310000MAF1 |
| Fully configurable | B | Y8WJWA3120001LF3 | Y8WJWC3120004LF3 | Y6WJWC312000FLF1 | Y7WJWC312000MLF1 |
| Fully configurable | C | Y8WJWA3110001DF3 | Y8WJWC3110004DF3 | Y6WJWC311000DFD1 | Y7WJWC311000MDF1 |
| Fully configurable | D | Y8WJWA3140001HF3 | Y8WJWC3140004HF3 | Y6WJWC314000HFD1 | Y7WJWC314000MHF1 |
| Fully configurable | E | Y8WJWA3170001F3 | Y8WJWC3170004F3 | Y6WJWC317000FF1 | Y7WJWC317000MIF1 |
| Fully configurable | F | Y8WJWA1130001KF3 | Y8WJWC3130004KF3 | Y6WJWC313000KF1 | 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

A Electronic controller 3A 250V + SPNC 16A 250V manual reset
B Electronic controller 3A 250V + SPNC 16A 250V manual reset + 3 relays 16A 250V board
C Electronic controller 3A 250V + SPNC 16A 250V manual reset + 2 x 25A 250V relay
D Electronic controller 3A 250V + SPNC 16A 250V manual reset + 1 x 30A 250V relay

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 | Y6WJWR31000LFAF1 | Y7WJWH31000LMAF1 |
| Fully configurable | | B | Y8WJWB31400L1HF7 | Y8WJWE31400L6HF7 | Y6WJWR31400LFHF1 | Y7WJWH31400LMHF1 |
| Fully configurable | | C | Y8WJWB31200L1LF7 | Y8WJWE31200L6LF7 | Y6WJWR31200LFLF1 | Y7WJWH31200LMLF1 |
| Fully configurable | | D | Y8WJWB31100L1DF7 | Y8WJWE31100L6DF7 | Y6WJWR31100LDFD1 | 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

A Electronic controller 3A 250V + SPNC 16A 250V electronic manual reset
B Electronic controller 3A 250V + SPNC 16A 250V electronic manual reset
C Electronic controller 3A 250V + SPNC 16A 250V electronic manual reset + 2 x 25A 250V relay
D Electronic controller 3A 250V + SPNC 16A 250V electronic manual reset + 1 x 30A 250V relay
E Electronic controller 3A 250V + SPNC 16A 250V electronic manual reset + 6 relays 16A 250V board

Main references

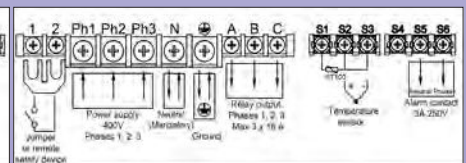
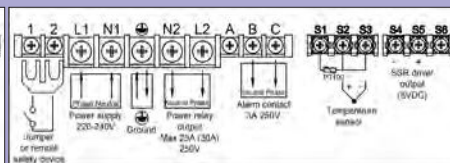
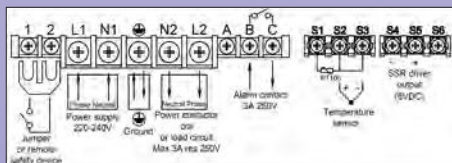
| Temperature ranges (°C) | Manual reset calibration temperature (°C) | Options* | Ambiant sensor version | Distant sensor version | 300 mm long Back rod version** | Immersion heater version*** |
|-------------------------|---|----------|------------------------|------------------------|--------------------------------|-----------------------------|
| Fully configurable | Must be specified with order | A | Y8WJWA31000X1AF7 | Y8WJWE31000X6AF7 | Y6WJWR31000XFAF1 | Y7WJWH31000XMAF1 |
| Fully configurable | | B | Y8WJWA31400X1HF7 | Y8WJWE31400X6HF7 | Y6WJWR31400XFHF1 | Y7WJWH31400XMHF1 |
| Fully configurable | | C | Y8WJWA31200X1LF7 | Y8WJWE31200X6LF7 | Y6WJWR31200XFLF1 | Y7WJWH31200XMLF1 |
| Fully configurable | | D | Y8WJWA31100X1DF7 | Y8WJWE31100X6DF7 | Y6WJWR31100XDFD1 | Y7WJWH31100XMDF1 |
| Fully configurable | | E | Y8WJWA31700X1F7 | Y8WJWE31700X6F7 | Y6WJWR31700XF1F1 | Y7WJWH31700XM1F1 |

Wiring diagrams

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

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

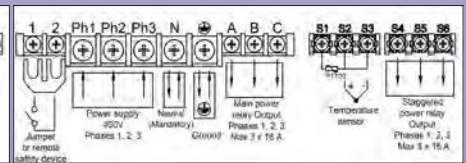
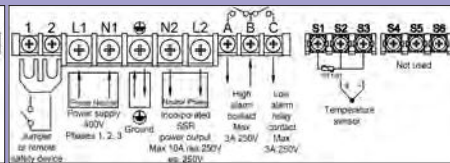
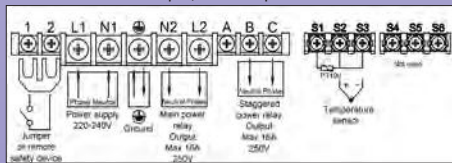
3 pole circuits, 2 staggered relay outputs 3x16A 250V



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



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