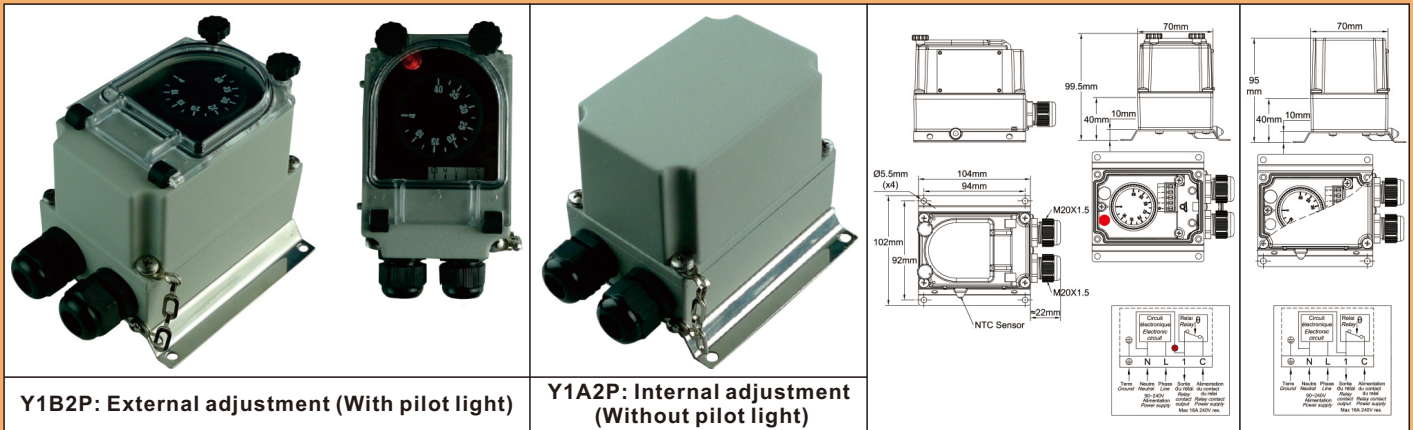


Electronic room thermostats

Enclosure	Type	Operation	Contact	Measurement	Ranges °C	Models
IP65, IK10	Control	Electronic	SPNO or SPNC	Ambient		Y1A2P & Y1B2P
Material						
Aluminum						



Applications

- Wall mounting for indoor or outdoor temperature control of cold rooms.
- Temperature control of industrial or commercial premises.
- Outdoor temperature control of antifreeze heaters.
- Green houses and livestock stables temperature control.

Housing: Aluminum, IP65, IK10. Mounted on a SUS304 stainless steel wall mounting plate which keeps the temperature sensing element away from the wall. Grey RAL7032 epoxy painting. Stainless steel captive cover screws. Captive aluminum lid.

Operation: Microprocessor electronic control thermostat.

Adjustment ranges: -35-35°C (-30+95°F), 0-10°C (32-50°F), 4-40°C (40-105°F).

Set point adjustment: By °C printed knob. All types have an adjustable rotation limit system located inside the knob that allows reducing the set point adjustment span. Types with external adjustment have a transparent window. This device allows seeing the pilot light and the knob position. °F values are available as an option.

Sensing element: NTC probe, mounted on the side of plastic housing.

Cable input and output: Two M20 cable glands, Black PA66. Internal electrical connection on screw terminals. 2 phase power supply (Line+ Neutral, 220~250V, 50Hz~60Hz) are mandatory.

Earthing: Internal and external screw terminal.

Pilot light: Allow to visualize thermostat contact output position. Standard for all models with transparent window. Non Standard and on special request only for models with plain aluminum cover.

Mounting: Wall mounting, by 4 holes for screws dia. 4 to 5 mm, 94 x 92 mm distance.

Identification: Metallic identification label, riveted.

Contact: SPST. 16A (2.6), 250VAC. Open or close on temperature rise. (Contact action can be set on the circuit board.) Products are shipped in standard with contact open on temperature rise action, for use in heating applications.

Electrical life: >100.000 cycles.

Minimum storage temperature: -35°C (-30°F)

Maximum ambient temperature: 60°C (140°F)

For more technical information ask 2PE2N6 thermostat technical data sheet.

Main references

Temperature adjustment ranges °C (°F)	References with external adjustment	References with internal adjustment	Differential °C (°F)
-35-35°C (-30+95°F)	Y1B2PN6F235035AJ	Y1A2PN6F235035AJ	0,5-0,8°C (0.9~1.4°F)
4-40°C (40-105°F)	Y1B2PN6F204040AJ	Y1A2PN6F204040AJ	0,5-0,8°C (0.9~1.4°F)

°F printing: replace last character (J) by K

Knob printings

°C Printing		°F Printing	
-35+35°C	4-40°C	-30+95°F	40+105°F