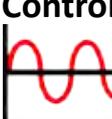
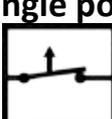
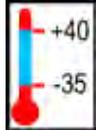
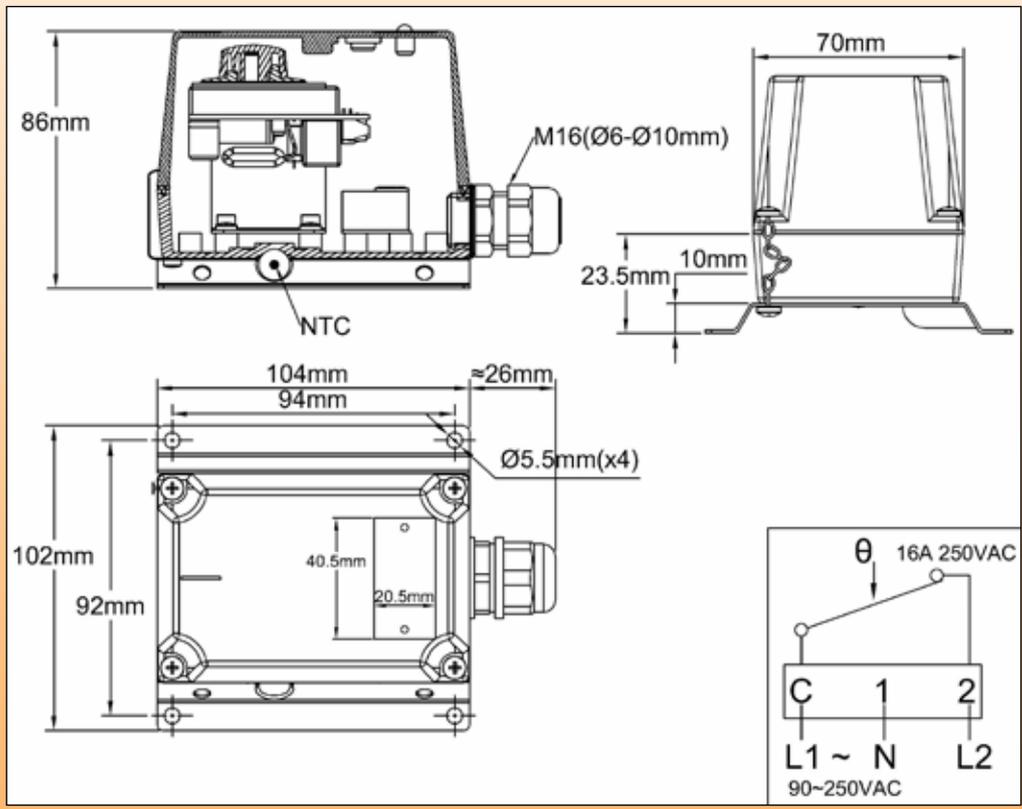


The Y1 range of thermostats with IP65 enclosures

Ambient and antifreeze

Type	Adjustment	Contact	Measurement	Range °C	Model
Control 	Internal 	Single pole 	Ambient 		Y1D Thermostat 2PE2N6



Applications:

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

This electronic model allows temperature control with smaller differential than liquid expansion

Housing: Aluminum, IP65, IK10, 104 x 102 x 86 mm. Mounted on a SUS304 stainless steel wall mounting plate which keeps temperature sensing element away from the wall. Grey RAL7032 epoxy painting

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

Temperature adjustment: Set point adjustable by temperature printed **internal knob**. Shipped with °C printed skirt fitted on the knob, and °F printed skirt in spare part. Printed skirt is replaceable without tool.

Sensing element: NTC sensor located on the side of the mounting bracket, under waterproof silicone protection cap.

Action: **electronic temperature control**, on off action

Differential: **Adjustable** by potentiometer located under the internal knob

Electrical connections: Inside, on screw terminal connection block

Earthing: on internal screw terminal

Cable output: M16 cable gland, PA66, for cables up to 10 mm dia.

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

Identification: 20 x 40 mm stainless steel identification label, riveted.

Contact: open on temperature rise or close on temperature rise. Selection is made with a switch, with access after removing internal knob.

Power supply: universal, from 90 to 240V, 50Hz or 60Hz

Electrical rating: 16A 250VAC res.

- Electrical life >100.000 cycles.

Cannot be used in 400VAC

Minimum Storage temperature: -20°C (-5°F)

Main references

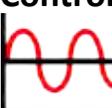
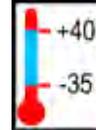
Temperature adjustment ranges °C (°F)	Differential °C (°F)	Maximum ambient temperature °C (°F)	References
-35+35°C (-30+95°F)	0.5~5.5°C (0.9~10°F)	50°C (120°F)	Y1D2PE2N6-35035E
0-10°C (32-50°F)	0.5~2.5°C (0.9~4.5°F)	50°C (120°F)	Y1D2PE2N6000010E
4-40°C (40-105°F)	0.5~2.5°C (0.9~4.5°F)	50°C (120°F)	Y1D2PE2N6004040E

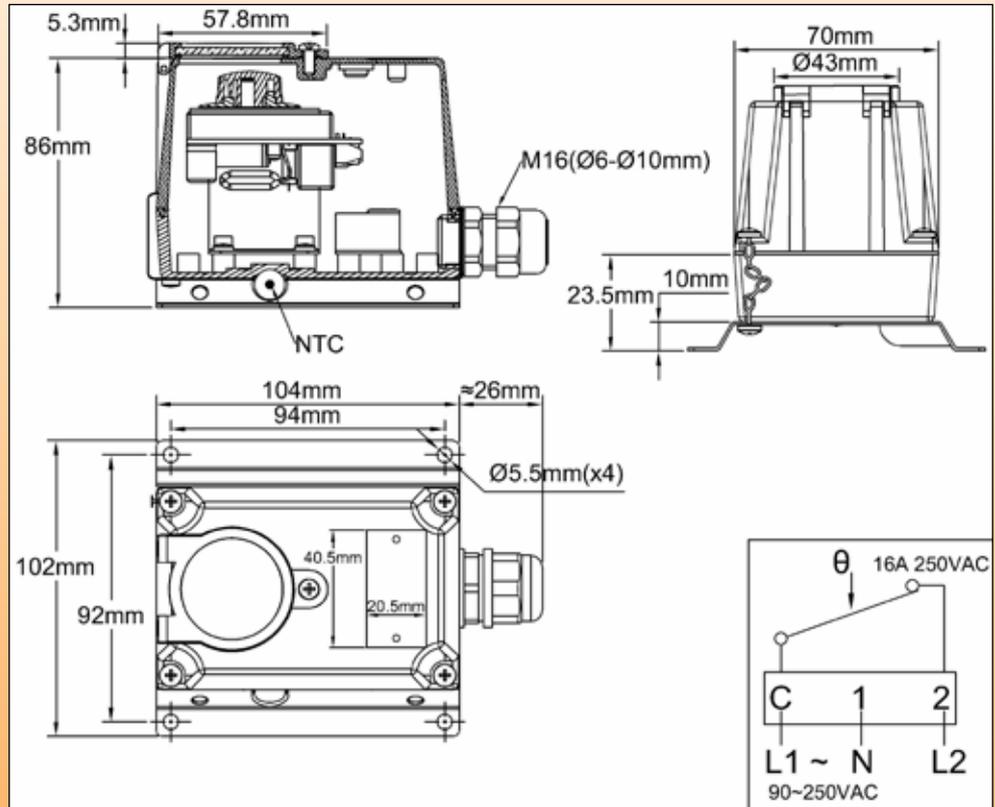


Because of permanent improvement of our products, drawings, descriptions, features used on these data sheets are for guidance only and can be modified without prior advice

The Y1 range of thermostats with IP65 enclosures

Ambient and antifreeze

Type	Adjustment	Contact	Measurement	Range °C	Model
Control 	Window 	Single pole 	Ambient 		Y1E Thermostat 2PE2N6



Applications:

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

This electronic model allows temperature control with smaller differential than liquid expansion

Housing: Aluminum, IP65, IK10, 104 x 102 x 86 mm. Mounted on a SUS304 stainless steel wall mounting plate which keeps temperature sensing element away from the wall. Grey RAL7032 epoxy painting

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

Temperature adjustment: Set point adjustable by temperature printed **internal knob with external access by window**. Shipped with °C printed skirt fitted on the knob, and °F printed skirt in spare part. Printed skirt is replaceable without tool.

Sensing element: NTC sensor located on the side of the mounting bracket, under waterproof silicone protection cap.

Action: **electronic temperature control**, on off action

Differential: **Adjustable** by potentiometer located under the internal knob

Electrical connections: Inside, on screw terminal connection block

Earthing: on internal screw terminal

Cable output: M16 cable gland, PA66, for cables up to 10 mm dia.

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

Identification: 20 x 40 mm stainless steel identification label, riveted.

Contact: open on temperature rise or close on temperature rise. Selection is made with a switch, with access after removing internal knob.

Power supply: universal, from 90 to 240V, 50Hz or 60Hz

Electrical rating: 16A 250VAC res.

- Electrical life >100.000 cycles.

Cannot be used in 400VAC

Minimum Storage temperature: -20°C (-5°F)

Main references

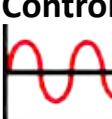
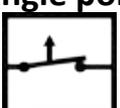
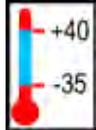
Temperature adjustment ranges °C (°F)	Differential °C (°F)	Maximum ambient temperature °C (°F)	References
-35+35°C (-30+95°F)	0.5~5.5°C (0.9~10°F)	50°C (120°F)	Y1E2PE2N6-35035F
0-10°C (32-50°F)	0.5~2.5°C (0.9~4.5°F)	50°C (120°F)	Y1E2PE2N6000010F
4-40°C (40-105°F)	0.5~2.5°C (0.9~4.5°F)	50°C (120°F)	Y1E2PE2N6004040F

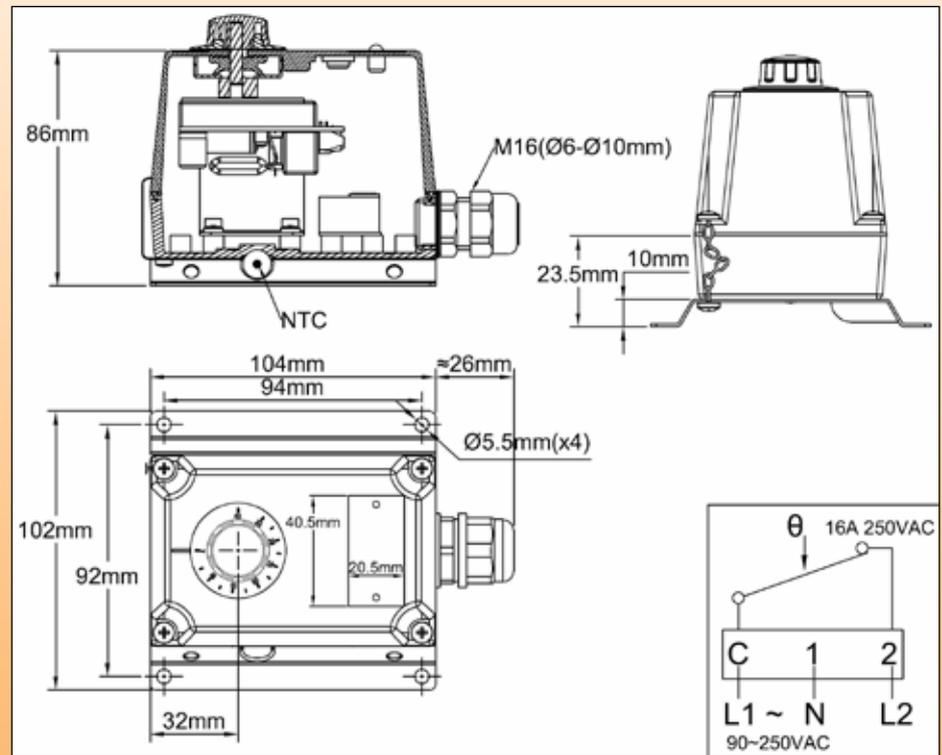
Because of permanent improvement of our products, drawings, descriptions, features used on these data sheets are for guidance only and can be modified without prior advice



The Y1 range of thermostats with IP65 enclosures

Ambient and antifreeze

Type	Adjustment	Contact	Measurement	Range °C	Model
Control 	External knob 	Single pole 	Ambient 		Y1F Thermostat 2PE2N6



Applications:

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

This electronic model allows temperature control with smaller differential than liquid expansion

Housing: Aluminum, IP65, IK10, 104 x 102 x 86 mm. Mounted on a SUS304 stainless steel wall mounting plate which keeps temperature sensing element away from the wall. Grey RAL7032 epoxy painting

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

Temperature adjustment: Set point adjustable by temperature printed external knob. Shipped with °C printed skirt fitted on the knob, and °F printed skirt in spare part. Printed skirt is replaceable without tool.

No electrical wires between the cover and the thermostat mounted on the bottom of the enclosure. Knob is attached to the cover, and has a coupler for its connection to the thermostat

Sensing element: NTC sensor located on the side of the mounting bracket, under waterproof silicone protection cap.

Action: electronic temperature control, on off action

Differential: Adjustable by potentiometer located under the internal knob

Electrical connections: Inside, on screw terminal connection block

Earthing: on internal screw terminal

Cable output: M16 cable gland, PA66, for cables up to 10 mm dia.

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

Identification: 20 x 40 mm stainless steel identification label, riveted.

Contact: open on temperature rise or close on temperature rise. Selection is made with a switch, with access after removing internal knob.

Power supply: universal, from 90 to 240V, 50Hz or 60Hz

Electrical rating: 16A 250VAC res.

- Electrical life >100.000 cycles.

Cannot be used in 400VAC

Minimum Storage temperature: -20°C (-5°F)

Main references

Temperature adjustment ranges °C (°F)	Differential °C (°F)	Maximum ambient temperature °C (°F)	References
-35+35°C (-30+95°F)	0.5~5.5°C (0.9~10°F)	50°C (120°F)	Y1F2PE2N6-35035E
0-10°C (32-50°F)	0.5~2.5°C (0.9~4.5°F)	50°C (120°F)	Y1F2PE2N6000010E
4-40°C (40-105°F)	0.5~2.5°C (0.9~4.5°F)	50°C (120°F)	Y1F2PE2N6004040E

