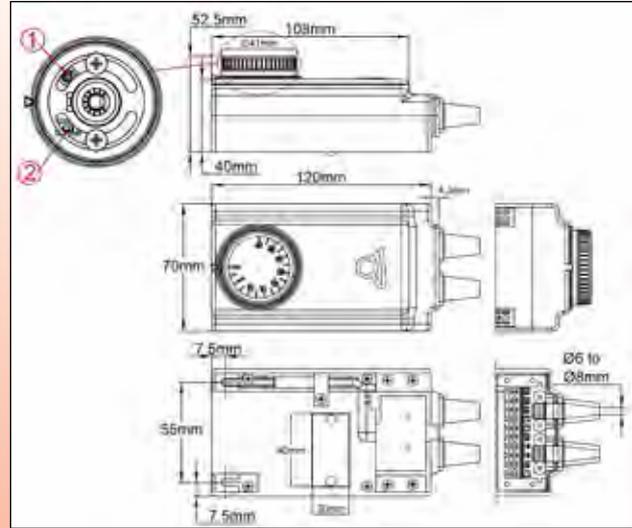# IP54, Y5 Hand held or wall mounting electronic thermostat

Distance temperature measurement (electronic)

This control box has the smallest footprint and the lowest price of the Y range with waterproof enclosure. It has a modern and aesthetic design, and the same professional concept than other products of this range.
Because of their small size (120 x 70 x 53 mm), these controls can be wall mounted with 2 screws 55 mm distance, hand held or just simply laid on the working table.
Enclosure: PC-ABS, black color, small footprint , can be hand held of wall mounted
Ingress protection rating: IP54 (IEC 60529)
Mechanical impact resistance: IK05 (EN 62262)
Flammability: UL94-V0
Electrical connection: on a closed screw terminal connection block cavity located backside, for wire gauges up to 2.5 mm². Cables are secured by a saddle retainer, and grommets. Ground, neutral and phase can be connected in input and output.
Power inlet and outlet: through grommets for cables dia. 6 to 8 mm. Over-molded cables on request (MOQ apply)
Adjustment: Printed knob, with min or max position adjustment.
Adjustment ranges: -35+35°C (-30+95°F); 0-10°C (+32+50°F); 4-40°C (40-105°F); 30-90°C (85-195°F); 30-110°C (85-230°F); 50-200°C (120-390°F); 50-300°C (120-570°F)
Differential: adjustable by potentiometer located under the knob(1)
Temperature sensor: NTC sensor, with 2 m long cable, probe protected by 30 mm stainless steel tube. 2 versions are available: unprotected cable or cable protected by corrugated plastic tube. Can also be supplied without temperature sensor, when standard temperature sensor is not adapted to the application.
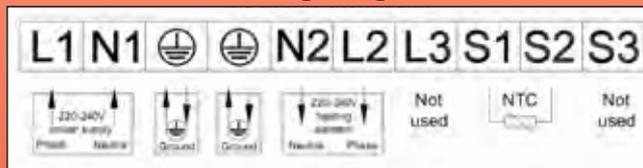**Mounting:** Wall mounting, for screws dia. 4 to 6 mm, 55 mm distance
Identification: Location backside for 20 x 40 mm identification label, adhesive or riveted
Power supply: 90-250VAC, 50 or 60Hz
Electrical contact: SPST 16A 250V - Electronic thermostat: SPST+ ground terminal. Open on rise or close on rise action can be set by switch located under the knob manette(2).

Wiring diagram

Main references without cords*

Temperature range	°C knob			°F knob		
	Reference without NTC sensor	Protected sensor cable reference	Un-protected sensor cable reference	Reference without NTC sensor	Protected sensor cable reference	Un-protected sensor cable reference
-35+35°C (-30+95°F)	Y5U010A0000CUCF2	Y5UN1BA0000CUCF2	Y5UN1CA0000CUCF2	Y5U010A0000FUCF2	Y5UN1BA0000FUCF2	Y5UN1CA0000FUCF2
0-10°C (+32+50°F)	Y5U020A0000CUCF2	Y5UN2BA0000CUCF2	Y5UN2CA0000CUCF2	Y5U020A0000FUCF2	Y5UN2BA0000FUCF2	Y5UN2CA0000FUCF2
4-40°C (40-105°F)	Y5U030A0000CUCF2	Y5UN3BA0000CUCF2	Y5UN3CA0000CUCF2	Y5U030A0000FUCF2	Y5UN3BA0000FUCF2	Y5UN3CA0000FUCF2
30-90°C (85-195°F)	Y5U040A0000CUCF2	Y5UN4BA0000CUCF2	Y5UN4CA0000CUCF2	Y5U040A0000FUCF2	Y5UN4BA0000FUCF2	Y5UN4CA0000FUCF2
30-110°C (85-230°F)	Y5U050A0000CUCF2	Y5UN5BA0000CUCF2	Y5UN5CA0000CUCF2	Y5U050A0000FUCF2	Y5UN5BA0000FUCF2	Y5UN5CA0000FUCF2
50-200°C (120-390°F)	Y5U060A0000CUCF2	Y5UR6BA0000CUCF2	Y5UR6CA0000CUCF2	Y5U060A0000FUCF2	Y5UR6BA0000FUCF2	Y5UR6CA0000FUCF2
50-300°C (120-570°F)	Y5U070A0000CUAF2	Y5UR7BA0000CUCF2	Y5UR7CA0000CUCF2	Y5U070A0000FUAF2	Y5UR7BA0000FUCF2	Y5UR7CA0000FUCF2

* Reference with Male Euro 1m H05-VVF-3G1 cord+ no connector euro1m H05-VVF-3G1 cord: replace 0000 by EJHJ
Reference with 2 euro cords 1m H05-VVF-3G1 without connector or plug: replace 0000 by HJHJ
Reference with UL SJT 3 x AWG16, 1m Male cord + SJT 3 x AWG16 1m Female cords: replace 0000 by UJVJ
Reference with Male UL SJT 3 x AWG16, 1m cord + no connector UL SJT 3 x AWG16, 1m cord: replace 0000 by UJSJ
Reference with 2 UL SJT 3 x AWG16 1m cords without connector or plug: replace 0000 by SJSJ