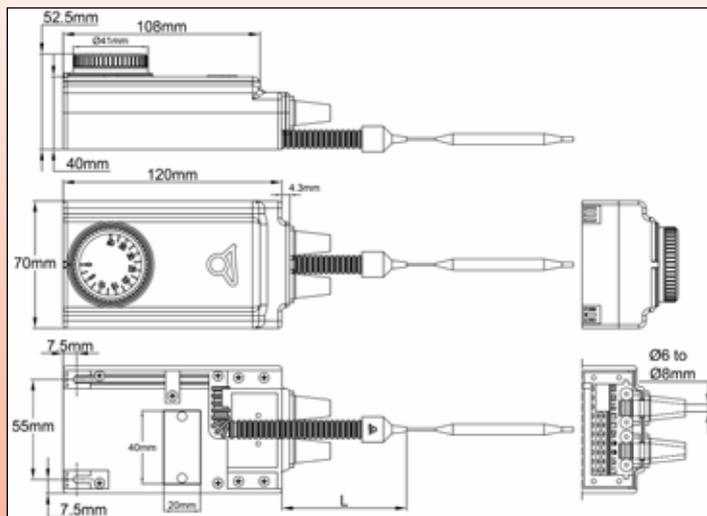# IP54, Y5 Hand held or wall mounting thermostat

Distance temperature measurement

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.
Temperature sensing element: bulb with 1.5 m long capillary. 2 versions are available: unprotected capillary or capillary protected by corrugated plastic tube.
Adjustment ranges: -35+35°C (-30+95°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)
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
Electrical contact:
- Open on temperature rise contact: 16(2,6)A , 250V AC.
- Close on temperature rise contact:6(0.6)A, 250V

Wiring diagram

Main references without cords*

Temperature range °C (°F)	Differential °C (°F)	°C		°F	
		Reference with un-protected capillary, °C knob	Reference with protected capillary, °C knob	Reference with un-protected capillary, °F knob	Reference with protected capillary , °F knob
-35+35°C (-30+95°F)	4±2°C (7±3.6 °F)	Y5U3BC70000CUAF2	Y5U3BB70000CUAF2	Y5U3BC70000FUAF2	Y5U3BB70000FUAF2
4-40°C (40-105°F)	3±2°C (5.5±3.6 °F)	Y5U3CC70000CUAF2	Y5U3CB70000CUAF2	Y5U3CC70000FUAF2	Y5U3CB70000FUAF2
30-90°C (85-195°F)	4±3°C (7±5.5 °F)	Y5U3EC70000CUAF2	Y5U3EB70000CUAF2	Y5U3EC70000FUAF2	Y5U3EB70000FUAF2
30-110°C (85-230°F)	5±3°C (9±5.5 °F)	Y5U3GC70000CUAF2	Y5U3GB70000CUAF2	Y5U3GC70000FUAF2	Y5U3GB70000FUAF2
50-200°C (120-390°F)	5°~13°C (9~24 °F)	Y5U3IC70000CUAF2	Y5U3IB70000CUAF2	Y5U3IC70000FUAF2	Y5U3IB70000FUAF2
50-300°C (120-570°F)	5~15°C (9 ~27°F)	Y5U3KC70000CUAF2	Y5U3KB70000CUAF2	Y5U3KC70000FUAF2	Y5U3KB70000FUAF2

* 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