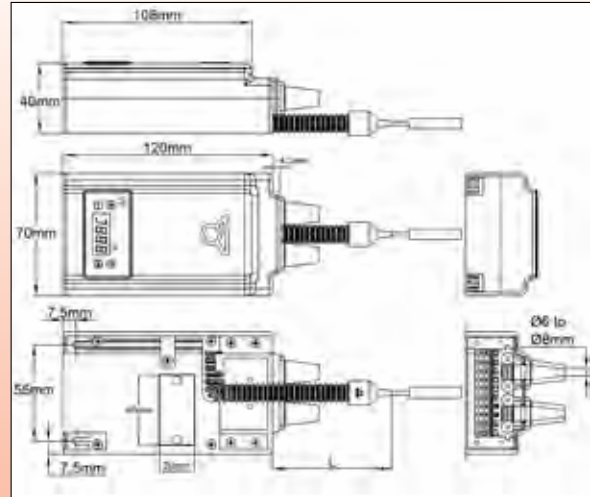


Distance temperature measurement (digital)



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 40 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 or wall mounted

Ingress protection rating: IP54 (IEC 60529)

Mechanical impact resistance: IK05 (EN 62262) Digital display not included.

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: by up, down and set keys

Display: selectable in °C or °F (4 digits)

Power supply: 90-250VAC, 50 or 60Hz

Temperature control action: ON-OFF or PID with auto-tune function

Differential: adjustable when on-Off action is selected

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

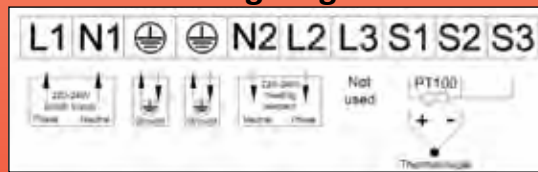
Electrical contact: Relay output, 10A 250V AC res (15 A120V AC). Open on rise or close on rise action can be selected

Temperature sensor: This control can be supplied with or without sensor. The cable can be protected by a plastic flexible corrugated tube.

This controller is multi sensor type, user settable with the following input choice:

Parameters	Sensor	Temperature range (°C)
t	Type T Thermocouple	-200~400
J	Type J Thermocouple	-200~700
E	Type E Thermocouple	-200~900
K	Type K Thermocouple	-200~1300
r	Type R Thermocouple	-50~1600
S	Type S Thermocouple	-50~1600
b	Type B Thermocouple	350~1800
W	Type WRE Thermocouple	0~2300
Cu50	Cu50	-50.0~150.0
Pt100	P100	-199~600
Pt10.0	P10	-199.9~600.0

Wiring diagram



Main references without cords*

Main features	Reference
Without temperature sensor	Y5F090A0000NUDF2
With PT100 RTD, 5 x 30 mm SS probe, 2 m protected cable	Y5FR9BA0000NUDF2
With PT100 RTD, 5 x 30 mm SS probe, 2 m un-protected cable	Y5FR9CA0000NUDF2
With K thermocouple, 5 x 30 mm SS probe, 2 m protected cable	Y5FK9BA0000NUDF2
With K thermocouple, 5 x 30 mm SS probe, 2 m un-protected cable	Y5FK9CA0000NUDF2

* 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

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

