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ULTIMHEAT®

THERMOSTATS WITH INGRESS PROTECTION HOUSINGS

and connection boxes for heating elements

The professional solution: an extended, rational and consistent range of products

Technical catalogue for R&D department

Edition 02/04/2013

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Thermostats with IP65 plastic housings, Type Y2

Main products

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Fixed setting ambiance or Antifreeze thermostat, IP65, cable gland output, without pilot lights		Fixed setting ambiance or Antifreeze thermostat, IP65, backside output, without pilot lights		Fixed setting ambiance or Antifreeze thermostat, IP65, cable gland output, 2 pilot lights		Fixed setting ambiance or Antifreeze thermostat, IP65, backside output, 2 pilot lights	

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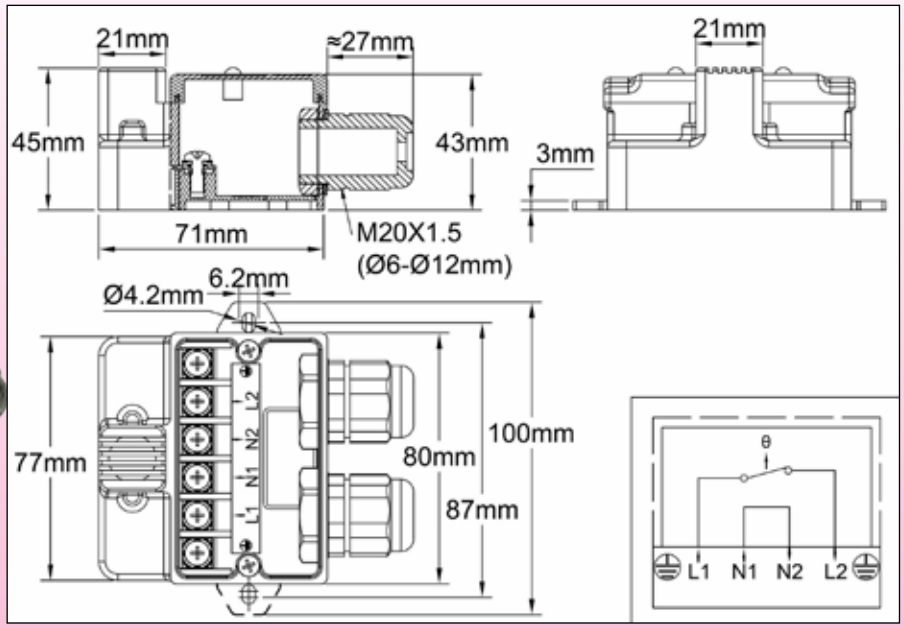
Fixed setting ambiance or antifreeze thermostat, IP65, cable gland output, without pilot lights, Type Y20



In these boxes, the thermostat, bimetal disc type, is over-molded, and is thermally insulated from the wall on which it is mounted. Its temperature sensing cup is mechanically protected by a grid. It is located in front of the enclosure to be in an area of natural circulation of air.
Mounting: Wall, by external side brackets. These tabs can be folded inwards. There also is the opportunity to practice two mounting holes inside for wall mounting (Note: in this case the ingress protection class IP65 on the rear wall is lost)
Protection: IP65 (IK 03 On thermostat guard, IK10 the rest of the housing)
Material: ABS-PC black glass-fiber reinforced
Screws: Stainless steel, captive
Output: 2 Cable glands M20, PA66, IP66, for cable from 6 to 12 mm dia.
Electrical rating: Single pole, 8 to 16A 250V (100000 cycles). Contact style can be open on rise or close on rise.
Identification: The cover can be fitted with a 20x40mm riveted stainless steel identification plate (standard) or with a sticker (Option)
Customization: On request (MOQ apply)
Connection: Built in 4mm ² screw terminal block
Options:
- Other calibration temperatures
- Cream color housing
- Incorporation of a temperature sensor (thermocouple, Pt100 or Pt1000, thermistor)

Calibration temperature °C (°F)	Close temperature °C (°F)	Electrical rating	Main uses	References
8°C (46,4)	3°C (37,4)	8A250V	Ice detaction, starts an antifreeze or heating system	Y20D7Z00805HCSV0
10°C (50)	4°C (39,2)	10A250V	Ice detaction, starts an antifreeze or heating system	Y20D7P01006CUSV0
10°C (50)	4°C (39,2)	16A250V	Ice detaction, starts an antifreeze or heating system	Y20D7J01006CUSV0
30°C (86)	20°C (68)	10A250V	Over-heating detection in residential premises, heating stop	Y20D7P03010CUSV0
20°C (68)	30°C (86)	10A250V	Over-heating detection in residential premises, alarm (NO contact)	Y20D7Q03010CUSV0
70°C (158)	60°C (140)	10A250V	Fire detaction (withstand sprinklers water sprays)	Y20D7P07010CUSV0

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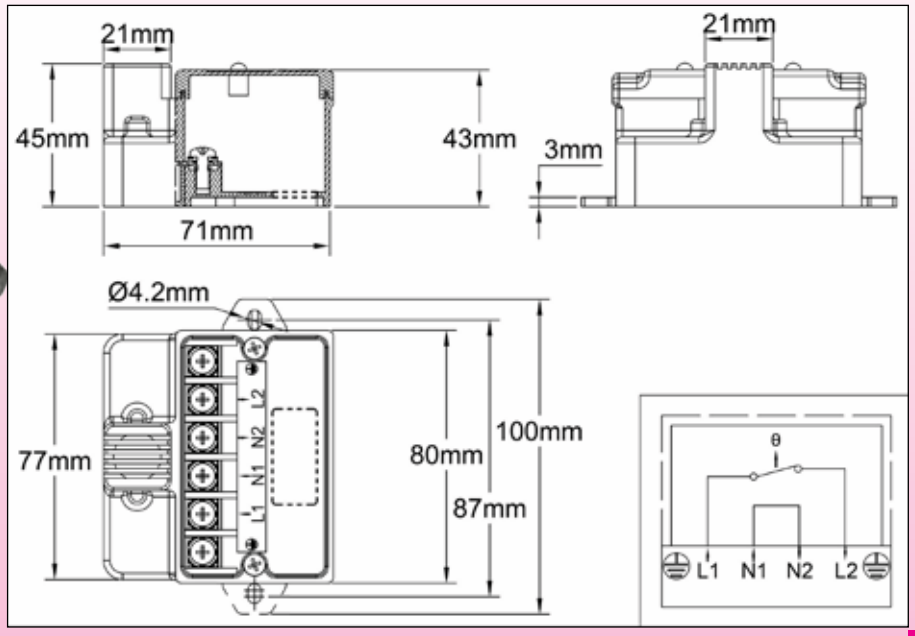
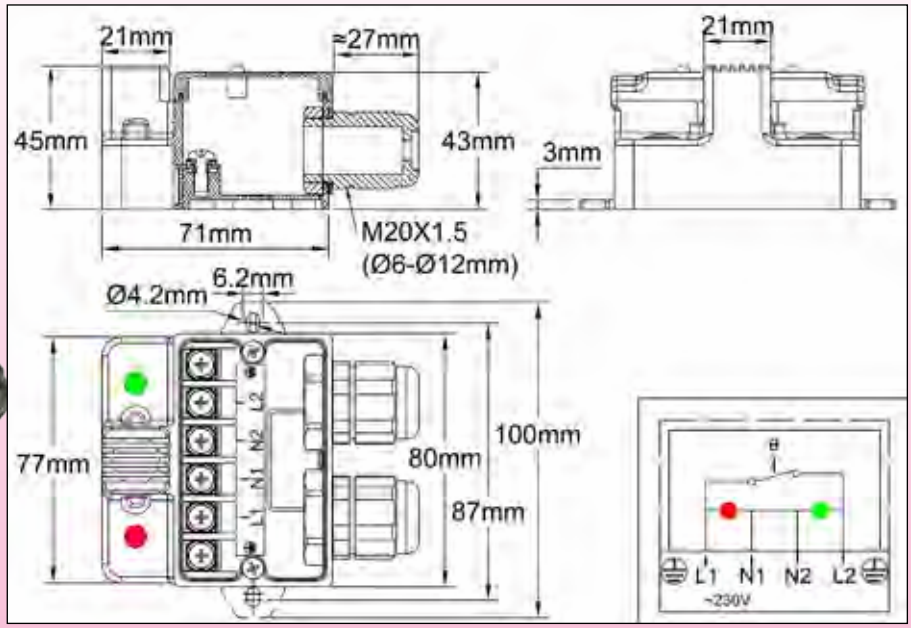
Fixed setting ambiance or antifreeze thermostat, IP65, backside output, without pilot lights, Type Y21



In these boxes, the thermostat is over-molded, and is thermally insulated from the wall on which it is mounted. Its temperature sensing cup is mechanically protected by a grid. It is located in front of the enclosure to be in an area of natural circulation of air. To allow its wall mounting, the box has two outer side lugs, which can be removed when assembly is made with internal screws.
Mounting: Wall, by external side brackets. These tabs can be folded inwards. There also is the opportunity to practice two mounting holes inside for wall mounting (Note: in this case the ingress protection class IP65 on the rear wall is lost)
Protection: IP65 (IK 03 On thermostat guard, IK10 the rest of the housing)
Due to the opening on the rear face of the housing for the cable outlets, it is necessary to apply, between this face and the wall mounting, an RTV elastomeric seal to comply with the ingress protection class IP65
Material: ABS-PC black glass-fiber reinforced
Screws: Stainless steel, captive
Output: Opening on backside for through wall wiring
Electrical rating: Single pole, 8 to 16A 250V (100000 cycles). Contact style can be open on rise or close on rise.
Identification: The cover can be fitted with a 20x40mm riveted stainless steel identification plate (standard) or with a sticker (Option)
Customization: On request (MOQ apply)
Connection: Built in 4mm ² screw terminal block
Options:
- Other calibration temperatures
- Cream color housing
- Incorporation of a temperature sensor (thermocouple, Pt100 or Pt1000, thermistor)

Calibration temperature °C (°F)	Close temperature °C (°F)	Electrical rating	Main uses	References
8°C (46,4)	3°C (37,4)	8A250V	Ice detaction, starts an antifreeze or heating system	Y20D1Z00805HCSV0
10°C (50)	4°C (39,2)	10A250V	Ice detaction, starts an antifreeze or heating system	Y20D1P01006CUSV0
10°C (50)	4°C (39,2)	16A250V	Ice detaction, starts an antifreeze or heating system	Y20D1J01006CUSV0
30°C (86)	20°C (68)	10A250V	Over-heating detection in residential premises, heating stop	Y20D1P03010CUSV0
20°C (68)	30°C (86)	10A250V	Over-heating detection in residential premises, alarm (NO contact)	Y20D1Q03010CUSV0
70°C (158)	60°C (140)	10A250V	Fire detaction (withstand sprinklers water sprays)	Y20D1P07010CUSV0

Fixed setting ambiance or antifreeze thermostat, IP65, cable gland output, two pilot lights, Type Y22



In these boxes, the thermostat, bimetal disc type, is over-molded, and is thermally insulated from the wall on which it is mounted. Its temperature sensing cup is mechanically protected by a grid. It is located in front of the enclosure to be in an area of natural circulation of air.
Mounting: Wall, by external side brackets. These tabs can be folded inwards. There also is the opportunity to practice two mounting holes inside for wall mounting (Note: in this case the ingress protection class IP65 on the rear wall is lost)
Protection: IP65 (IK 03 On thermostat guard, IK10 the rest of the housing)
Material: ABS-PC black glass-fiber reinforced
Screws: Stainless steel, captive
Output: 2 Cable glands M20, PA66, IP66, for cable 6 to 12 mm dia.
Electrical rating: Single pole, 8 to 16A 250V (100000 cycles). Contact style can be open on rise or close on rise.
Pilot lights: allow to visualize the power supply and thermostat contact position
Identification: The cover can be fitted with a 20x40mm riveted stainless steel identification plate (standard) or with a sticker (Option)
Customization: On request (MOQ apply)
Connection: Built in 4mm ² screw terminal block
Options:
- Other calibration temperatures
- Cream color housing
- Incorporation of a temperature sensor (thermocouple, Pt100 or Pt1000, thermistor)
- 115V pilot lights

Calibration temperature °C (°F)	Close temperature °C (°F)	Electrical rating	Main uses	References
8°C (46,4)	3°C (37,4)	8A250V	Ice detaction, starts an antifreeze or heating system	Y20D9Z00805HCSV0
10°C (50)	4°C (39,2)	10A250V	Ice detaction, starts an antifreeze or heating system	Y20D9P01006CUSV0
10°C (50)	4°C (39,2)	16A250V	Ice detaction, starts an antifreeze or heating system	Y20D9J01006CUSV0
30°C (86)	20°C (68)	10A250V	Over-heating detection in residential premises, heating stop	Y20D9P03010CUSV0
20°C (68)	30°C (86)	10A250V	Over-heating detection in residential premises, alarm (NO contact)	Y20D9Q03010CUSV0
70°C (158)	60°C (140)	10A250V	Fire detaction (withstand sprinklers water sprays)	Y20D9P07010CUSV0

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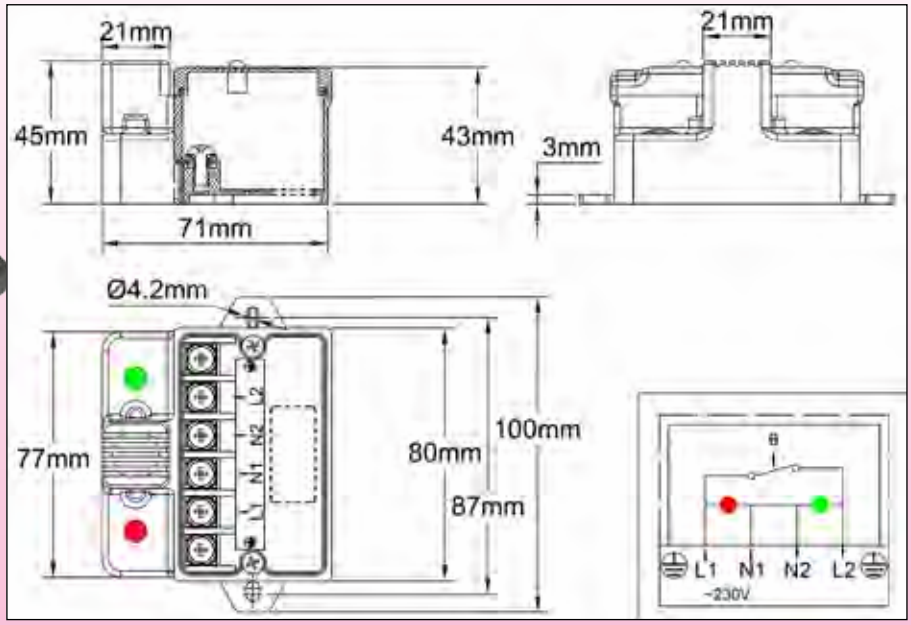
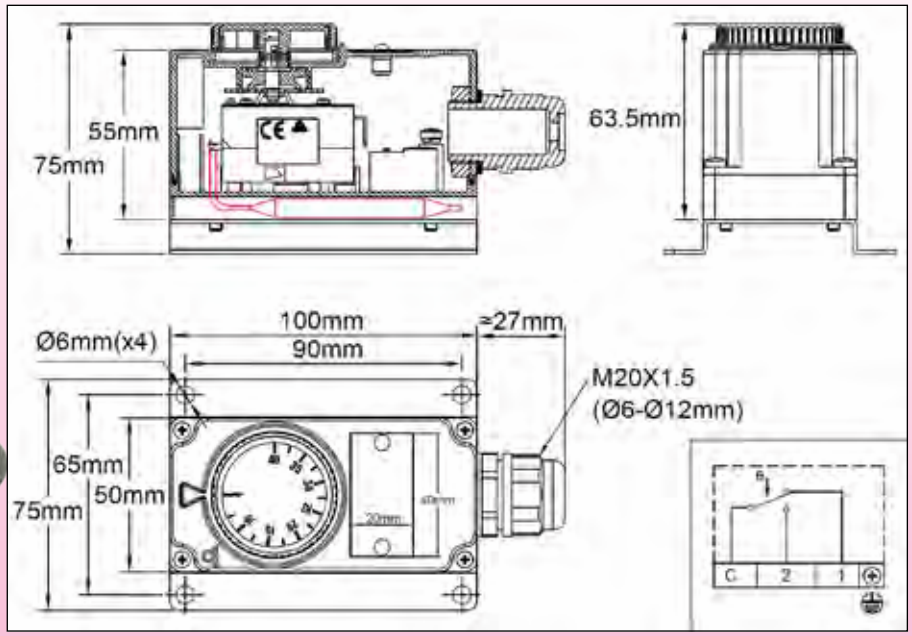
Fixed setting ambiance or antifreeze thermostat, IP65, backside output, two pilot lights, Type Y23



In these boxes, the thermostat is over-molded, and is thermally insulated from the wall on which it is mounted. Its temperature sensing cup is mechanically protected by a grid. It is located in front of the enclosure to be in an area of natural circulation of air. To allow its wall mounting, the box has two outer side lugs, which can be removed when assembly is made with internal screws.
Mounting: Wall, by external side brackets. These tabs can be folded inwards. There also is the opportunity to practice two mounting holes inside for wall mounting (Note: in this case the ingress protection class IP65 on the rear wall is lost)
Protection: IP65 (IK 03 On thermostat guard, IK10 the rest of the housing)
Due to the opening on the rear face of the housing for the cable outlets, it is necessary to apply, between this face and the wall mounting, an RTV elastomeric seal to comply with the ingress protection class IP65
Material: ABS-PC black glass-fiber reinforced
Screws: Stainless steel, captive
Output: Opening on backside for through wall wiring
Electrical rating: Single pole, 8 to 16A 250V (100000 cycles). Contact style can be open on rise or close on rise.
Pilot lights: Allow to visualize the power supply and thermostat contact position(Phase and Neutral power supply is mandatory for pilot lights)
Identification: The cover can be fitted with a 20x40mm riveted stainless steel identification plate (standard) or with a sticker (Option)
Customization: On request (MOQ apply)
Connection: Built in 4mm² screw terminal block
Options:
- Other calibration temperatures
- Cream color housing
- Incorporation of a temperature sensor (thermocouple, Pt100 or Pt1000, thermistor)
- 115V pilot lights

Calibration temperature °C (°F)	Close temperature °C (°F)	Electrical rating	Main uses	References
8°C (46,4)	3°C (37,4)	8A250V	Ice detaction, starts an antifreeze or heating system	Y20D3Z00805HCSV0
10°C (50)	4°C (39,2)	10A250V	Ice detaction, starts an antifreeze or heating system	Y20D3P01006CUSV0
10°C (50)	4°C (39,2)	16A250V	Ice detaction, starts an antifreeze or heating system	Y20D3J01006CUSV0
30°C (86)	20°C (68)	10A250V	Over-heating detection in residential premises, heating stop	Y20D3P03010CUSV0
20°C (68)	30°C (86)	10A250V	Over-heating detection in residential premises, alarm (NO contact)	Y20D3Q03010CUSV0
70°C (158)	60°C (140)	10A250V	Fire detaction (withstand sprinklers water sprays)	Y20D3P07010CUSV0

External knob adjustment IP65 ambiance thermostat, without pilot lights, Type Y2A



Housing: IP65, 100 x 50 x 75 mm, PC-ABS, 20%FG, UL94V0. High impact and UV resistance, with silicone waterproof gasket on thermostat shaft. The SUS304 stainless steel wall mounting plate keeps temperature sensing element away from the wall.
Electric input: ISO M20 cable gland, Black PA66, IP67, for cables from 6 to 12 mm dia.
Temperature adjustment: By temperature printed knob, this knob has an adjustable rotation limit system located inside the knob that allows reducing the set point adjustment span
Sensing element: Liquid filled bulb with mechanical protection. Temperature measurement is made backside.
Adjustment ranges: -35+35°C (-30+95°F),-10+40°C (15-105°F), 4-40°C (40-105°F)
Electrical connections: Inside, on screw terminal connection block
Mounting: Wall mounting,by 4 holes for screws dia 4 to 6 mm, 90 x 65 mm distance
Identification: The cover can be fitted with a 20x40mm riveted stainless steel identification plate (standard) or with a sticker (Option)
Electrical rating:
- Open on temperature rise contact (C-1) 16A(2.6) 250VAC
- Close on temperature rise contact (C-2) 6A(0.6) 250VAC
- Electrical life >100.000 cycles.

Cannot be used in 400VAC
Minimum Storage temperature: -35°C (-30°F)
Maximum ambient temperature: 60°C (140°F)

Main references

References with knobs printed in °C	Temperature adjustment range °C	Differential °C	References with knobs printed in °F	Temperature adjustment range °F	Differential °F
Y2A8GB-35035AA85	-35+35°C	4±2°C	Y2A8GB-35035AA86	-30+95°F	7±3.6 °F
Y2A8GB-10040AA85	-10+40°C	3°C±2	Y2A8GB-10040AA86	15-105°F	5.5±3.6 °F
Y2A8GB004040AA85	4-40°C	3°C±2	Y2A8GB004040AA86	40-105°F	5.5±3.6 °F

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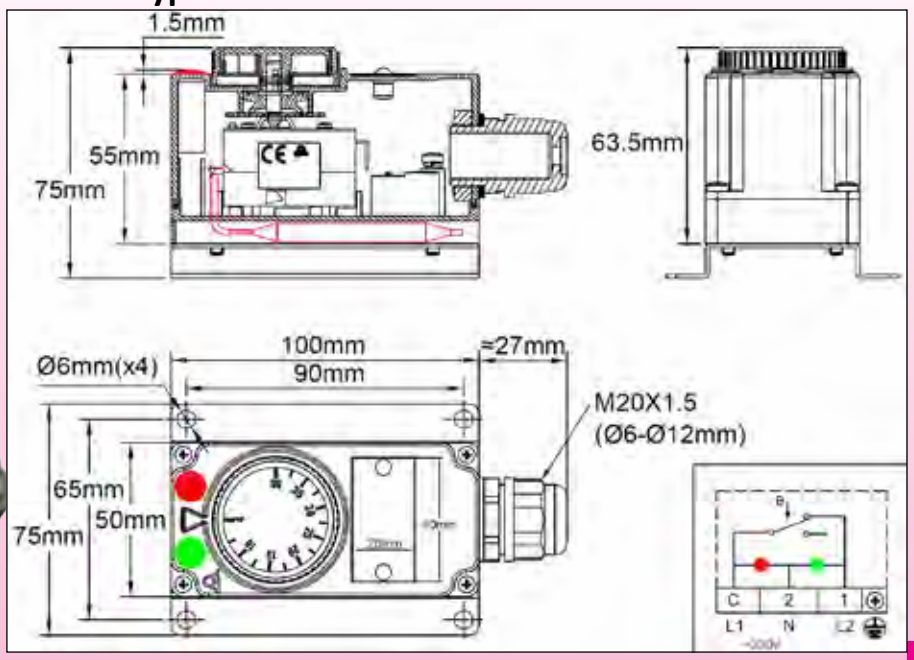
External knob adjustment IP65 ambiance thermostat, two pilot lights, Type Y2B



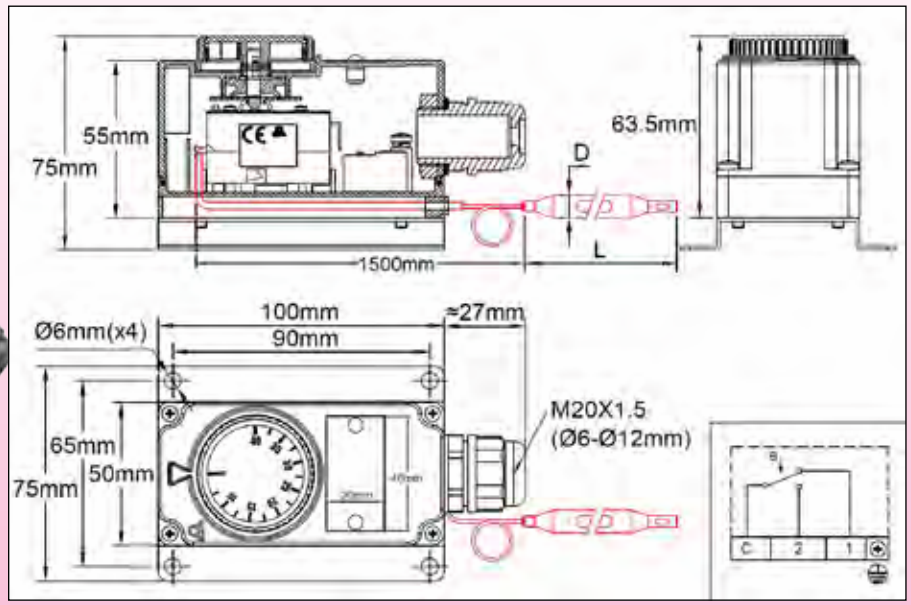
Housing: IP65, 100 x 50 x 75 mm, PC-ABS, 20%FG, UL94V0. High impact and UV resistance, with silicone waterproof gasket on thermostat shaft. The SUS304 stainless steel wall mounting plate keeps temperature sensing element away from the wall.
Electric input: ISO M20 cable gland, Black PA66, IP67, for cables from 6 to 12 mm dia.
Temperature adjustment: By temperature printed knob, this knob has an adjustable rotation limit system located inside the knobthat allows reducing the set point adjustment span
Sensing element: Liquid filled bulb with mechanical protection. Temperature measurement is made backside.
Adjustment ranges: -35+35°C (-30+95°F),-10+40°C (15-105°F), 4-40°C (40-105°F)
Pilot lights: Allow to visualize the power supply and thermostat contact position(Phase and Neutral power supply is mandatory for pilot lights)
Electrical connections: Inside, on screw terminal connection block
Mounting: Wall mounting,by 4 holes for screws dia 4 to 6 mm, 90 x 65 mm distance
Identification: The cover can be fitted with a 20x40mm riveted stainless steel identification plate (standard) or with a sticker (Option)
Electrical rating:
- Open on temperature rise contact (C-1) 16A(2.6) 250VAC
- Close on temperature rise contact (C-2) 6A(0.6) 250VAC
- Electrical life >100.000 cycles.

Cannot be used in 400VAC. 115V model on request
Minimum Storage temperature: -35°C (-30°F)
Maximum ambient temperature: 60°C (140°F)

Main references

References with knobs printed in °C	Temperature adjustment range °C	Differential °C	References with knobs printed in °F	Temperature adjustment range °F	Differential °F
Y2B8GB-35035AA85	-35+35°C	4±2°C	Y2B8GB-35035AA86	-30+95°F	7±3.6 °F
Y2B8GB-10040AA85	-10+40°C	3°C±2	Y2B8GB-10040AA86	15-105°F	5.5±3.6 °F
Y2B8GB004040AA85	4-40°C	3°C±2	Y2B8GB004040AA86	40-105°F	5.5±3.6 °F

External knob adjustment IP65 bulb and capillary thermostat, without pilot lights, Type Y2C



Housing: IP65, 100 x 50 x 75 mm, PC-ABS, 20%FG, UL94V0. High impact and UV resistance, with silicone waterproof gasket on thermostat shaft. The SUS304 stainless steel wall mounting plate keeps the thermostat housing away from the wall.
Electric input: ISO M20 cable gland, Black PA66, IP67, for cables from 6 to 12 mm dia.
Temperature adjustment: By temperature printed knob, this knob has an adjustable rotation limit system located inside the knob that allows reducing the set point adjustment span
Sensing element: Liquid filled bulb and capillary, capillary length 1500 mm
Adjustment ranges: -35+35°C (-30+95°F), -10+40°C (15-105°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)
Electrical connections: Inside, on screw terminal connection block
Mounting: Wall mounting,by 4 holes for screws dia 4 to 6 mm, 90 x 65 mm distance
Identification: The cover can be fitted with a 20x40mm riveted stainless steel identification plate (standard) or with a sticker (Option)
Electrical rating:
- Open on temperature rise contact (C-1) 16A(2.6) 250VAC
- Close on temperature rise contact (C-2) 6A(0.6) 250VAC
- Electrical life >100.000 cycles.

Cannot be used in 400VAC
Minimum Storage temperature: -35°C (-30°F)
Maximum ambient temperature: 60°C (140°F)

Main references

References with knobs printed in °C	Temperature adjustment range °C	Differential °C	References with knobs printed in °F	Temperature adjustment range °F	Differential °F	Bulb diameter (D, mm)	Bulb length (E, mm)
Y2C8GB-35035AO66	-35+35°C	4±2°C	Y2C8GB-35035AO67	-30+95°F	7±3.6 °F	6	120±5
Y2C8GB-10040AO66	-10+40°C	3°C±2	Y2C8GB-10040AO67	15-105°F	5.5±3.6 °F	6	107±5
Y2C8GB004040AO66	4-40°C	3°C±2	Y2C8GB004040AO67	40-105°F	5.5±3.6 °F	6	120±5
Y2C8GB030090AO66	30-90°C	4±3°C	Y2C8GB030090AO67	85-195°F	7±5.5 °F	6	98±5
Y2C8GB030110AO66	30-110°C	5±3°C	Y2C8GB030110AO67	85-230°F	9±5.5 °F	6	86±5
Y2C8GB050200AO66	50-200°C	5°~13°C	Y2C8GB050200AO67	120-390°F	9~24 °F	6	65±5
Y2C8GB050300AO36	50-300°C	5~15°C	Y2C8GB050300AO37	120-570°F	9 ~27°F	3	145±5

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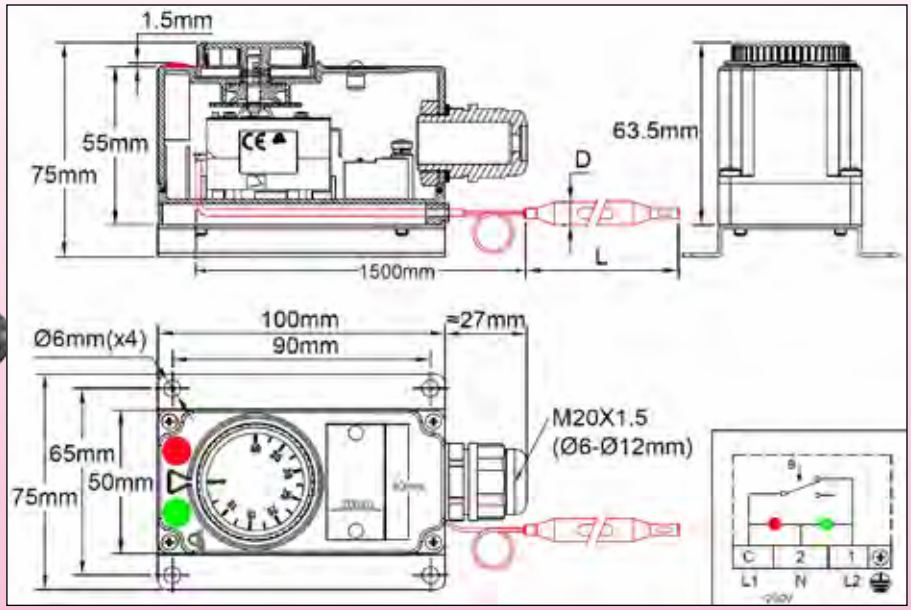
External knob adjustment IP65 bulb and capillary thermostat, two pilot lights, Type Y2D



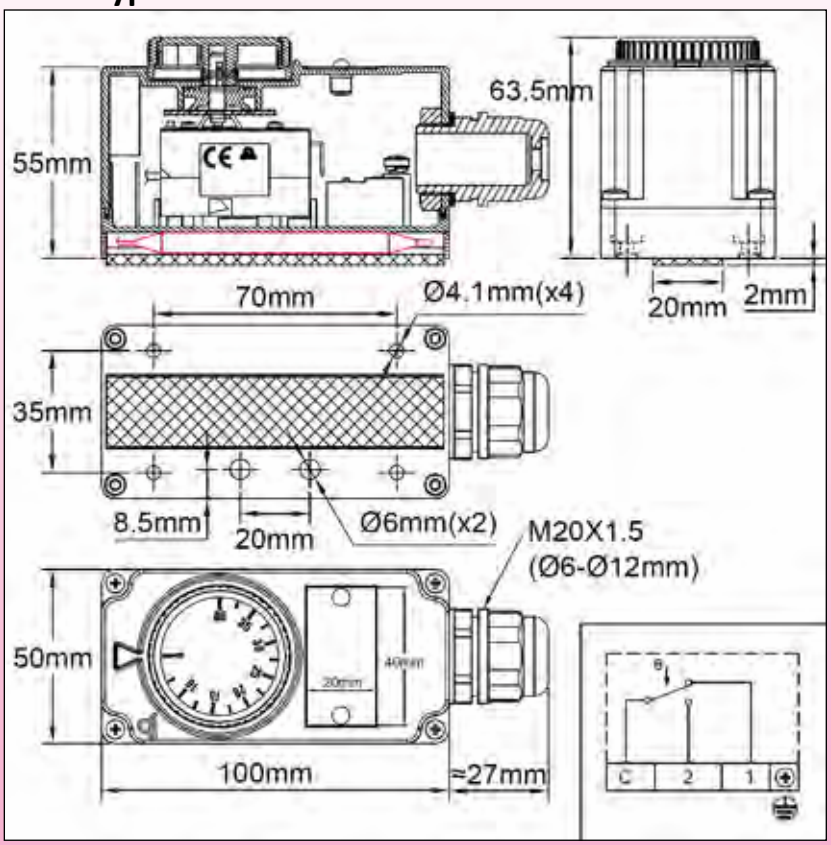
Housing: IP65, 100 x 50 x 75 mm, PC-ABS, 20%FG, UL94V0. High impact and UV resistance, with silicone waterproof gasket on thermostat shaft. The SUS304 stainless steel wall mounting plate keeps thermostat housing away from the wall.
Electric input: ISO M20 cable gland, Black PA66, IP67, for cables from 6 to 12 mm dia.
Temperature adjustment: By temperature printed knob, this knob has an adjustable rotation limit system located inside the knobthat allows reducing the set point adjustment span
Sensing element: Liquid filled bulb and capillary, capillary length 1500 mm
Adjustment ranges: -35+35°C (-30+95°F), -10+40°C (15-105°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)
Pilot lights: Allow to visualize the power supply and thermostat contact position (Phase and Neutral power supply is mandatory for pilot lights)
Electrical connections: Inside, on screw terminal connection block
Mounting: Wall mounting,by 4 holes for screws dia. 4 to 6 mm, 90 x 65 mm distance
Identification: The cover can be fitted with a 20x40mm riveted stainless steel identification plate (standard) or with a sticker (Option)
Electrical rating:
- Open on temperature rise contact (C-1) 16A(2.6) 250VAC
- Close on temperature rise contact (C-2) 6A(0.6) 250VAC
- Electrical life >100.000 cycles.

Cannot be used in 400VAC. 115V model on request
Minimum Storage temperature: -35°C (-30°F)
Maximum ambient temperature: 60°C (140°F)

Main references

References with knobs printed in °C	Temperature adjustment range °C	Differential °C	References with knobs printed in °F	Temperature adjustment range °F	Differential °F	Bulb diameter (D, mm)	Bulb length (E, mm)
Y2D8GB-35035AO66	-35+35°C	4±2°C	Y2D8GB-35035AO67	-30+95°F	7±3.6 °F	6	120±5
Y2D8GB-10040AO66	-10+40°C	3°C±2	Y2D8GB-10040AO67	15-105°F	5.5±3.6 °F	6	107±5
Y2D8GB004040AO66	4-40°C	3°C±2	Y2D8GB004040AO67	40-105°F	5.5±3.6 °F	6	120±5
Y2D8GB030090AO66	30-90°C	4±3°C	Y2D8GB030090AO67	85-195°F	7±5.5 °F	6	98±5
Y2D8GB030110AO66	30-110°C	5±3°C	Y2D8GB030110AO67	85-230°F	9±5.5 °F	6	86±5
Y2D8GB050200AO66	50-200°C	5°~13°C	Y2D8GB050200AO67	120-390°F	9~24 °F	6	65±5
Y2D8GB050300AO36	50-300°C	5~15°C	Y2D8GB050300AO37	120-570°F	9 ~27°F	3	145±5

External knob adjustment IP65 surface thermostat, without pilot lights, Type Y2E



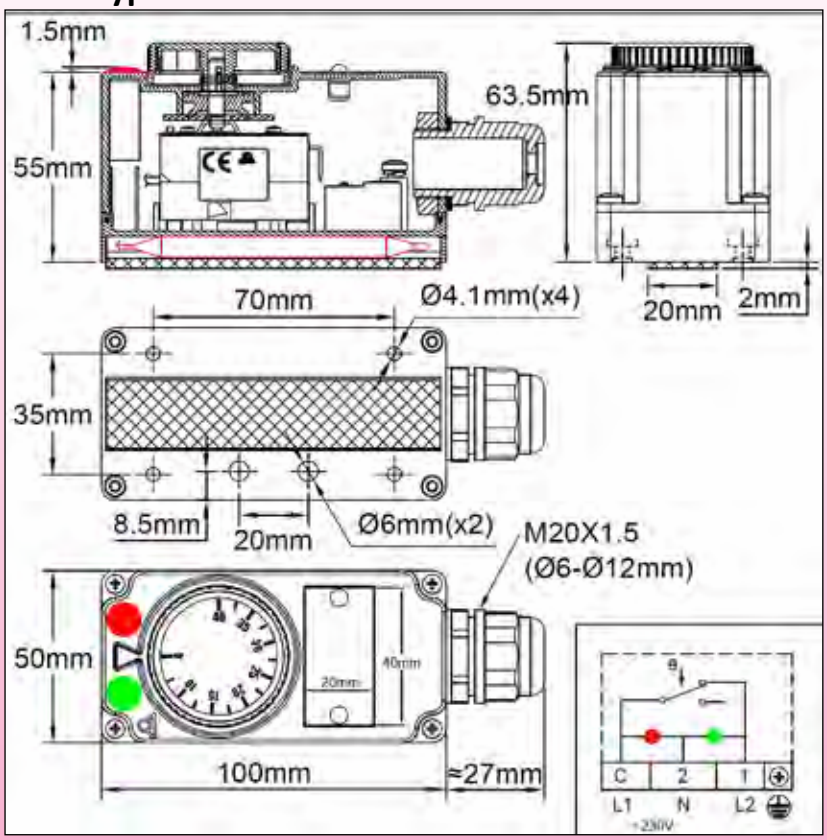
Housing: IP65, 100 x 50 x 75 mm, PC-ABS, 20%FG, UL94V0. High impact and UV resistance, with silicone waterproof gasket on thermostat shaft.
This thermostat is provided with a temperature sensitive flat aluminum backside to put in contact with a heating surface (heating blanket, heating belt, heating mantle), and 4-hole 35mm x 70 mm distance to fix it on this surface
Electrical input: ISO M20 cable gland, Black PA66, IP67, for cables from 6 to 12 mm dia.
Electrical output: 2 dia. 6 mm holes equipped with silicone grommets, located on the backside face, allow to introduce the heating element wires directly inside the housing
Temperature adjustment: By temperature printed knob, this knob has an adjustable rotation limit system located inside the knob that allows reducing the set point adjustment span
Sensing element: Liquid filled bulb , located inside the aluminum part
Adjustment ranges: 30-90°C (85-195°F), 30-110°C (85-230°F)
Electrical connections: Inside, on screw terminal connection block
Mounting: by 4 screws dia 4 mm, 70 x 35 mm distance
Identification: The cover can be fitted with a 20x40mm riveted stainless steel identification plate (standard) or with a sticker (Option)
Electrical rating:
- Open on temperature rise contact (C-1) 16A(2.6) 250VAC
- Close on temperature rise contact (C-2) 6A(0.6) 250VAC
- Electrical life >100.000 cycles.

Cannot be used in 400VAC
Minimum Storage temperature: -35°C (-30°F)
Maximum ambient temperature: 110°C (230°F)

Main references

References with knobs printed in °C	Temperature adjustment range °C	Differential °C	References with knobs printed in °F	Temperature adjustment range °F	Differential °F
Y2E8GB030090AO66	30-90°C	4±3°C	Y2E8GB030090AO67	85-195°F	7±5.5 °F
Y2E8GB030110AO66	30-110°C	5±3°C	Y2E8GB030110AO67	85-230°F	9±5.5 °F

External knob adjustment IP65 surface thermostat, two pilot lights, Type Y2F



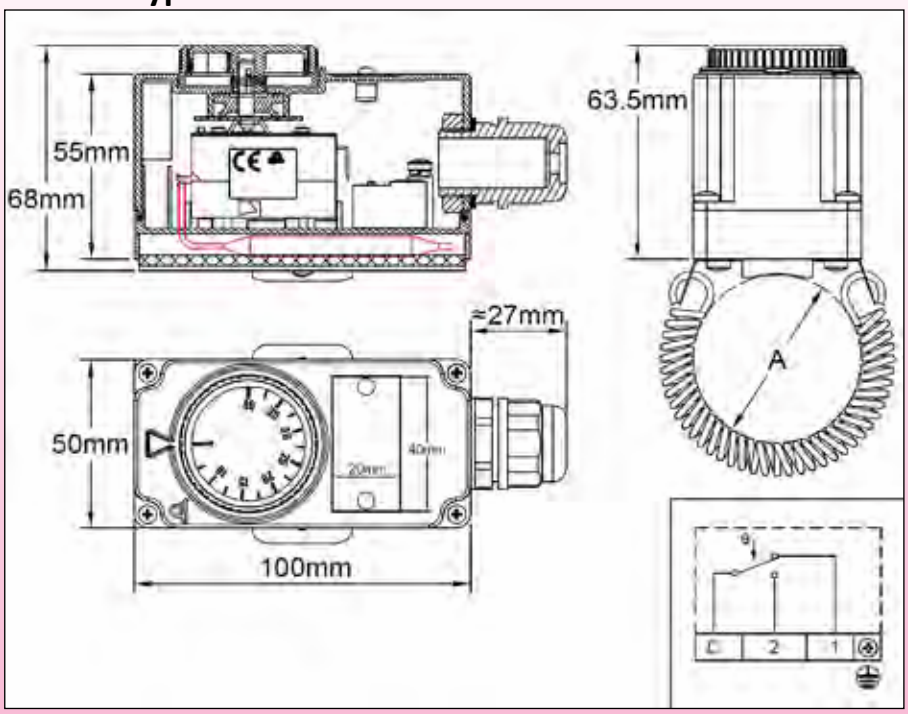
Housing: IP65, 100 x 50 x 75 mm, PC-ABS, 20%FG, UL94V0. High impact and UV resistance, with silicone waterproof gasket on thermostat shaft.
This thermostat is provided with a temperature sensitive flat aluminum backside to put in contact with a heating surface (heating blanket, heating belt, heating mantle), and 4-hole 35mm x 70 mm distance to fix it on this surface
Electrical input: ISO M20 cable gland, Black PA66, IP67, for cables from 6 to 12 mm dia.
Electrical output: 2 dia. 6 mm holes equipped with silicone grommets, located on the backside face, allow to introduce the heating element wires directly inside the housing
Temperature adjustment: By temperature printed knob, this knob has an adjustable rotation limit system located inside the knob that allows reducing the set point adjustment span
Sensing element: Liquid filled bulb , located inside the aluminum part
Adjustment ranges: 30-90°C (85-195°F), 30-110°C (85-230°F)
Pilot lights: Allow to visualize the power supply and thermostat contact position (Phase and Neutral power supply is mandatory for pilot lights)
Electrical connections: Inside, on screw terminal connection block
Mounting: By 4 holes for screws dia. 4mm, 70 x 35 mm distance
Identification: The cover can be fitted with a 20x40mm riveted stainless steel identification plate (standard) or with a sticker (Option)
Electrical rating:
- Open on temperature rise contact (C-1) 16A(2.6) 250VAC
- Close on temperature rise contact (C-2) 6A(0.6) 250VAC
- Electrical life >100.000 cycles.

Cannot be used in 400VAC. 115V model on request
Minimum Storage temperature: -35°C (-30°F)

Main references

References with knobs printed in °C	Temperature adjustment range °C	Differential °C	References with knobs printed in °F	Temperature adjustment range °F	Differential °F
Y2F8GB030090AA66	30-90°C	4±3°C	Y2F8GB030090AA67	85-195°F	7±5.5 °F
Y2F8GB030110AA66	30-110°C	5±3°C	Y2F8GB030110AZ67	85-230°F	9±5.5 °F

External knob adjustment IP65 pipe mountingthermostat, without pilot lights, Type Y2G



Housing: IP65, 100 x 50 x 75 mm, PC-ABS, 20%FG, UL94V0. High impact and UV resistance, with silicone waterproof gasket on thermostat shaft.
This thermostat is provided with a V shaped temperature sensitive aluminum backside to put in contact with a pipe, and two lugs for spring mounting. Suitable for pipes from 30 to 70 mm diameter
Electrical input: ISO M20 cable gland, Black PA66, IP67, for cables from 6 to 12 mm dia.
Temperature adjustment: By temperature printed knob, this knob has an adjustable rotation limit system located inside the knob that allows reducing the set point adjustment span
Sensing element: Liquid filled capillary , located inside the aluminum part
Adjustment ranges: 30-90°C (85-195°F), 30-110°C (85-230°F)
Electrical connections: Inside, on screw terminal connection block
Mounting: By spring on pipe
Identification: The cover can be fitted with a 20x40mm riveted stainless steel identification plate (standard) or with a sticker (Option)
Electrical rating:
- Open on temperature rise contact (C-1) 16A(2.6) 250VAC
- Close on temperature rise contact (C-2) 6A(0.6) 250VAC
- Electrical life >100.000 cycles.

Cannot be used in 400VAC
Minimum Storage temperature: -35°C (-30°F)
Maximum ambient temperature: 110°C (230°F)

Main references

References with knobs printed in °C	Temperature adjustment range °C	Differential °C	References with knobs printed in °F	Temperature adjustment range °F	Differential °F
Y2G8GB030090AO66	30-90°C	4±3°C	Y2G8GB030090AO67	85-195°F	7±5.5 °F
Y2G8GB030110AO66	30-110°C	5±3°C	Y2G8GB030110AO67	85-230°F	9±5.5 °F

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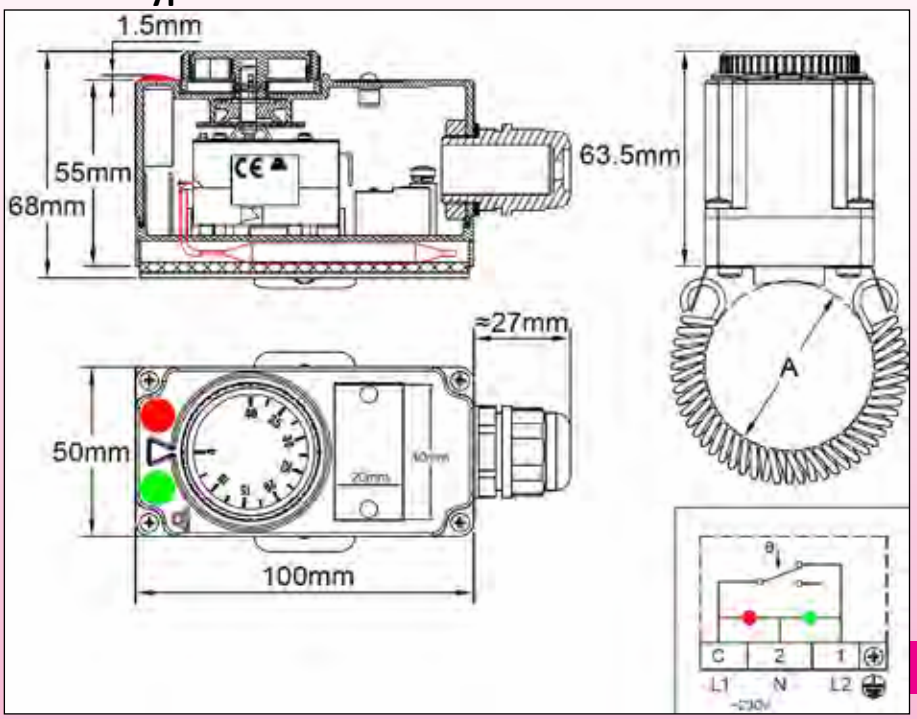
External knob adjustment IP65 pipe mounting thermostat, two pilot lights, Type Y2H



Housing: IP65, 100 x 50 x 75 mm, PC-ABS, 20%FG, UL94V0. High impact and UV resistance, with silicone waterproof gasket on thermostat shaft.
This thermostat is provided with a V shaped temperature sensitive aluminum backside to put in contact with a pipe, and two lugs for spring mounting. Suitable for pipes from 30 to 70 mm diameter
Electrical input: ISO M20 cable gland, Black PA66, IP67, for cables from 6 to 12 mm dia.
Temperature adjustment: By temperature printed knob, this knob has an adjustable rotation limit system located inside the knob that allows reducing the set point adjustment span
Sensing element: Liquid filled capillary , located inside the aluminum part
Adjustment ranges: 30-90°C (85-195°F), 30-110°C (85-230°F)
Pilot lights: Allow to visualize the power supply and thermostat contact position (Phase and Neutral power supply is mandatory for pilot lights)
Electrical connections: Inside, on screw terminal connection block
Mounting: By spring on pipe
Identification: The cover can be fitted with a 20x40mm riveted stainless steel identification plate (standard) or with a sticker (Option)
Electrical rating:
- Open on temperature rise contact (C-1) 16A(2.6) 250VAC
- Close on temperature rise contact (C-2) 6A(0.6) 250VAC
- Electrical life >100.000 cycles.

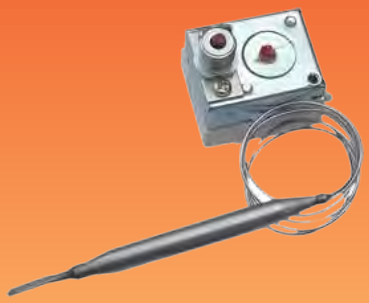
Cannot be used in 400VAC. 115V model on request
Minimum Storage temperature: -35°C (-30°F)
Maximum ambient temperature: 110°C (230°F)

Main references

References with knobs printed in °C	Temperature adjustment range °C	Differential °C	References with knobs printed in °F	Temperature adjustment range °F	Differential °F
Y2H8GB030090AA66	30-90°C	4±3°C	Y2H8GB030090AA67	85-195°F	7±5.5 °F
Y2H8GB030110AA66	30-110°C	5±3°C	Y2H8GB030110AZ67	85-230°F	9±5.5 °F

Many other temperature control componentsmade by Ultimheat are used in appliances, commercial and industrial applications

Single pole and 3 poles bulb and capillary thermostats (Catalogue N°1)



Single pole, double pole and 3 polesFail safe manual reset thermostats(Catalogue N°1)

Surface temperature control bimetal thermostats (Catalogue N°1)

3 poles manual reset disc thermostats(Catalogue N°1)

Energyregulators (Catalogue N°1)

Industrial temperature control boxes, with thermostats or electronic controllers (Catalogue N°3)

Simple to use Din Rail electronic temperature controllers (Catalogue N°3)

Electronic temperature controllers, On-Off or PID (Catalogue N°3)

Explosion proof thermostats and “e” increased safety connection boxes (Catalogue N°4)

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