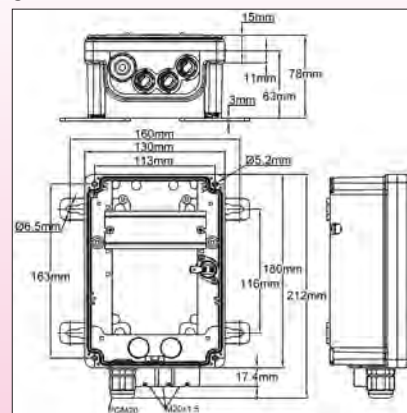


### Antifreeze junction box with DIN rail



**Housing:** IP65, Black PA66 glass fiber reinforced (Standard housing of Y8 series)

**Dimensions:** 180 x 120 x 78 mm

**Cover:** Black Polycarbonate

**DIN Rail:** length 80 mm, allows the mounting of\*:

- 18 Cage terminal blocks 1.5 mm<sup>2</sup>
- 12 Cage terminal blocks 2.5 mm<sup>2</sup> or 4mm<sup>2</sup>
- 9 Cage terminal blocks 6 mm<sup>2</sup>
- 7 Cage terminal blocks for 10 mm<sup>2</sup>

\* Estimation: quantity may vary upon terminal block type and manufacturer

**Antifreeze thermostat:** Trough wall mounted, the temperature sensitive portion is located in a ventilated channel located on the rear side, and mechanically protected. It is not influenced by the housing internal temperature.

**Open:** 10 ° C + / -4, close: 4 ° C + / -3. Rating 250V 16A, 6.35 QC terminals connection.

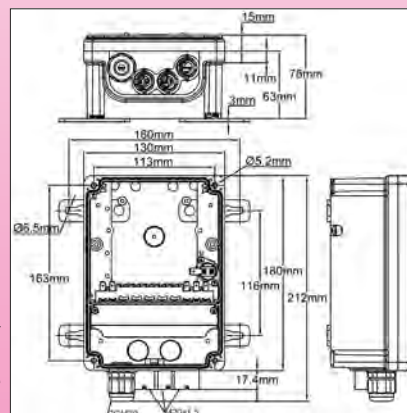
**Cable glands:** An entry for M20 standard cable gland and three M20x1.5 threaded outputs for flat cables M20 cable gland (see gaskets P110) and 2 rear outputs M20 X 1.5 closed by M20 X 1.5 cap with gasket

**Accessories:**

- 4 wall mounting removable rear mounting tabs
- 10 red plastic seals

Reference	Y8B000L100020J1
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### Antifreeze junction box with incorporated connection block



**Housing:** IP65, Black PA66 glass fiber reinforced (Standard housing of Y8 series)

**Dimensions:** 180 x 120 x 78 mm

**Cover:** Black polycarbonate

**Connection block:** standard Y housings connection block, 5 x 6mm<sup>2</sup> and 5 x 2.5mm<sup>2</sup>, no internal wiring

**Antifreeze thermostat:** Through wall mounted, the temperature sensitive portion is located in a ventilated channel located on the rear side, and mechanically protected. It is not influenced by the housing internal temperature.

**Open:** 10 ° C + / -4, close: 4 ° C + / -3. Rating 250V 16A, 6.35 QC terminals connection.

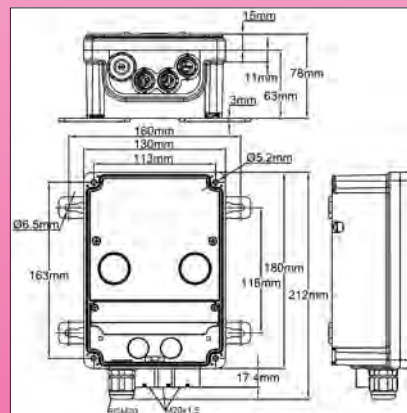
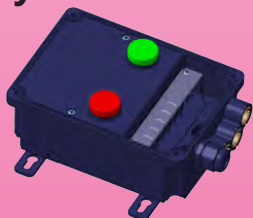
**Cable glands:** An entry for M20 standard cable gland and three M20x1.5 threaded outputs for flat cables M20 cable gland (see gaskets P110) and 2 rear outputs M20 X 1.5 closed by M20 X 1.5 cap with gasket

**Accessories:**

- 4 wall mounting removable rear mounting tabs
- 10 red plastic seals

Reference	Y8B00E1SK00020J1
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### Fully wired antifreeze junction box, 16A 250V, 3 outputs



**Housing:** IP65, Black PA66 glass fiber reinforced (Standard housing of Y8 series)

**Dimensions:** 180 x 120 x 78 mm

**Cover:** Clear polycarbonate

**Connection block:** standard Y housings connection block, 5 x 6mm<sup>2</sup> and 5 x 2.5mm<sup>2</sup>.

**Antifreeze thermostat:** Through wall mounted, the temperature sensitive portion is located in a ventilated channel located on the rear side, and mechanically protected. It is not influenced by the housing internal temperature.

**Open:** 10 ° C + / -4, close: 4 ° C + / -3. Rating 250V 16A, 6.35 QC terminals connection.

**Wiring:** protected against accidental hand contact by an internal cover. Includes power supply line with Phase, Neutral and ground on 6mm<sup>2</sup> terminals, and outputs for 3 heating circuits.

**Pilot lights:** 230V High luminosity LED, located under the clear cover. Green indicates power supply and red indicates power output.

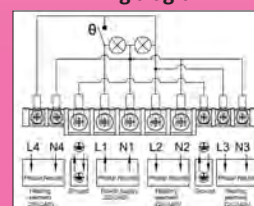
**Cable glands:** An entry for M20 standard cable gland and three M20x1.5 threaded outputs for flat cables M20 cable gland (see gaskets P110) and 2 rear outputs M20 X 1.5 closed by M20 X 1.5 cap with gasket

**Accessories:**

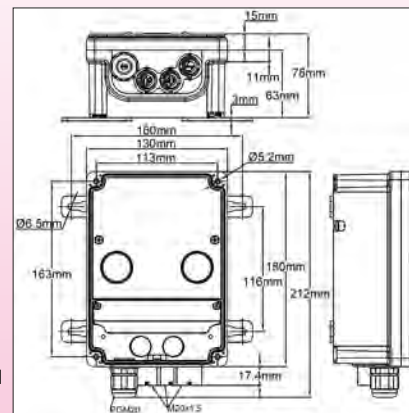
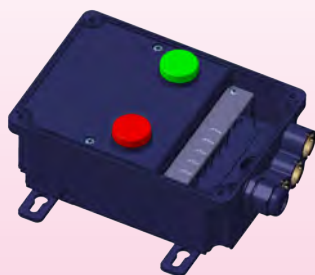
- 4 wall mounting removable rear mounting tabs
- 10 red plastic seals

Reference	Y8TE903SK0002UF1
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**Wiring diagram**



### Fully wired antifreeze junction box, 3 x 16A 400V with neutral, 3 outputs, remote control connection



**Housing:** IP65, Black PA66 glass fiber reinforced (Standard housing of Y8 series)

**Dimensions:** 180 x 120 x 78 mm

**Cover:** Clear polycarbonate

**Connection block:** standard Y housings connection block, 5 x 6mm<sup>2</sup> and 5 x 2.5mm<sup>2</sup>.

**Antifreeze thermostat:** Through wall mounted, the temperature sensitive portion is located in a ventilated channel located on the rear side, and mechanically protected. It is not influenced by the housing internal temperature.

**Open:** 10 °C + / -4, close: 4 °C + / -3. Rating 250V 16A, 6.35 QC terminals connection.

**Wiring:** protected against accidental hand contact by an internal cover. Includes power supply line with 3 Phase, Neutral and Ground on 6mm<sup>2</sup> terminals, and 3 Phase, Neutral and Ground output. Includes a power relay board 3 x 16A. Relay and pilot lights are 230V. So, neutral is mandatory.

**Pilot lights:** 230V High luminosity LED, located under the clear cover. Green indicates power supply and red indicates power output.

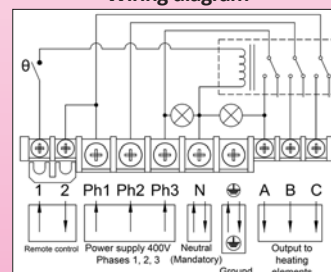
**Cable glands:** An entry for M20 standard cable gland and three M20x1.5 threaded outputs for flat cables M20 cable gland (see gaskets P110) and 2 rear outputs M20 X 1.5 closed by M20 X 1.5 cap with gasket

**Accessories:**

- 4 wall mounting removable rear mounting tabs
- 10 red plastic seals

Reference	Y8TE9E3SM0002RF1
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**Wiring diagram**



### Electromechanical antifreeze protection devices, adjustable setting types

#### IP30 housing adjustable electromechanical thermostat, capillary output



**Housing:** IP30, 77 x 54 x 46 mm, (Knob and cable gland not included), black PC-ABS, UL94V0. High impact and UV resistance. Stainless steel wall mounting plate, with 2 plastic lugs.

**Electrical input:** PG11 cable gland. Temperature Adjustment: With °C printed knob. °F printed knobs available in option

**Sensing element:** Liquid filled bulb, distance measurement with capillary.

**Adjustment ranges:** -35+35°C, 4-40°C\*

**Capillary length:** 1.5 m

**Electrical connections:** screw terminals

**Differential:**

-35+35: 3°C±2

4-40°C: 3°C ±2

**Mounting:** Wall mounting, by two side lugs with holes for dia 4 to 6 mm screws, 60 mm distance.

**Rating:** 16A res. 230VAC, SPDT.

References	Temperature ranges*
8GA-35035AO6000J	-35+35°C
8GA004040AO6000J	4-40°C

\* Other existing temperature ranges: 30-90°C, 30-110°C, 50-200°C, 50-300°C

For more information about this product, ask for Y1-Y5 range catalogue

