

GROUP 11 - Thermostats, hygrostats, pressostats, time switches and temperature sensors

11.5 - Anti-legionella electronic thermostat

LEGIONELUS

LEGIONELUS 70 acts automatically by means of time cycles selected by the user. This carries out a periodic cleaning of the system by increasing the temperature of the installation over the determined time, guaranteeing a good sterilization of the conduits through which the water circulates and the ACS is accumulated.

Example: Every 7 days the installation maintains a temperature of 60 °C to 70 °C during two hours.

Usual applications

- House buildings.
- Laundries.

- Public centers of a large number of people: gymnasiums, schools, offices, hospitals, hotels, etc.

General characteristics

- Set point temperature indicator
- Adjustment set point temperature installation (T1)
- Regulation of the differential.
- Limitation interval temperature installation (T1) by minimum and maximum.
- Minimum time of disconnection between two connections of the charge of the installation (T1).
- Readjustment calibrated sensor.
- Selection temperature of Legionella elimination (T2), from 40 °C to 80 °C, factory 70 °C.
- Timer during cycle elimination, from 1 minute to 120 minutes. Factory 5 minutes.
- Repetition of the cycle every 1 to 168 hours (7 days), factory 24 hours.
- PIN, protection and blockage of the keyboard.

Technical data

- Range temperature 10 to 95 °C
- Power supply ~230 V (50 / 60 Hz)
- Type of sensor temperature PTC2000
- Dimensions of the sensor Ø6 x 30 mm
- Relay T1 10 (4) A ~250 V NC +NO
- Relay T2 10 (4) A ~250 V NO
- Regulation type ON / OFF
- Colour visualization Red
- Number of buttons 3



Code	Reference	Range
517340000	LEGIONELUS 70. Wall version	10 - 95 °C
517343000	LEGIONELUS 70 RAIL. Rail DIN version	10 - 95 °C

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11.14 - Differential thermostats

ALLEGRO 400 / FC200

DIFFERENTIAL THERMOSTAT WITH PTC SENSOR, MODELS ALLEGRO 400

Control differential for capturing solar heat by means of solar paddles accumulating hot water, for sanitary hot water use or swimming pools.

General characteristics

- Indication collector temperature with decimals.
- Indication tank temperature with decimals.
- Possibility of forced operation.
- Possibility of forced stop.
- Calibrated adjustment of sensor
- Differential of activation.
- Defrosting Yes / No
- Connection without sensor polarity.
- 2 temperature sensors (IP67)
- PTC2000.
- Password

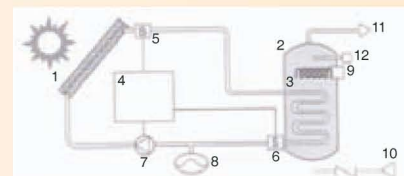
Technical data

- Range temperature -40 to +140 °C
- Power supply ~230 V (50 / 60 Hz)
- 1^a Temperature sensor (IP67) PTC2000 1,5%
- 2^a Temperature sensor (IP67) PTC2000 1,5%
- Dimensions of the sensor Ø6 x 30 mm
- Relay (NO + NC) 12 (5) A ~250 V
- Regulation type ON / OFF
- Colour visualization Red
- Number of buttons 3
- N^{er} of programmable param. 5
- Working temperature -5 to +55 °C
- Storage temperature -20 to +60 °C
- Block of parameters by password Yes

ALLEGRO 400

INSTALLATION EXAMPLE

1. Solar collector.
2. Accumulating tank.
3. Interchanging coil.
4. ALLEGRO 400 Regulator
5. Exit sensor collector.
6. Exit sensor tank.
7. Circulation pump.
8. Glass expansion.
9. Heating element.
10. Cool water - In.
11. Hot water - out.
12. Thermostat

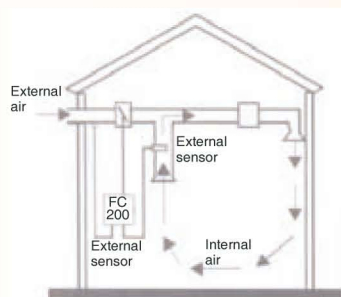


Código	Reference	Range
517341000	ALLEGRO 400. Wall version	-40 ... +140 °C
517344000	ALLEGRO 400 RAIL. DIN rail version	-40 ... +140 °C
517345000	ALLEGRO 433 RAIL. DIN rail version. 3 Sensors, 3 relays	-40 ... +140 °C

DIFFERENTIAL THERMOSTAT, MODELS FC200

Differential regulator for taking advantage of the outside air and to climatise shops, houses or offices by means of ventilation. Also it can be used in dryers.

INSTALLATION EXAMPLE



General characteristics

- Indication impulse temperature.
- Indication return temperature.
- Possibility of forced operation.
- Possibility of forced stop.
- Calibrated adjustment of sounding.
- Differential of activation.
- 2 temperature sensors

Technical data

- Range temperature -40 to +140 °C
- Power supply ~230 V (50 / 60 Hz)
- 1^a Temperature sensor (IP67) PTC2000 1,5%
- 2^a Temperature sensor (IP67) PTC2000 1,5%
- Dimensions of the sensor Ø6 x 30 mm
- Relay (NO + NC) 12 (5) A ~250 V
- Regulation type ON / OFF
- Colour visualization Red
- Number of buttons 5
- N^{er} of programmable param. 7
- Working temperature -5 to +55 °C
- Storage temperature -20 to +60 °C
- Block of parameters by password Yes

FC200



Code	Reference	Range
517342000	FC 200. Differential regulator. Wall version	-40 ... +140 °C
517346000	FC 200 RAIL. Differential regulator. DIN rail version	-40 ... +140 °C
517342001	SFC 200. Sensors spare parts	-40 ... +140 °C