

GROUP 4 - Flexible heating elements

4.21 - Accessories and complements for FOR-FLEX and self regulating cable

ACCESSORIES FOR FLEXIBLE HEATING ELEMENTS FOR-FLEX and SELF REGULATING CABLE

	Temperature range	Code
Polyester. Width 12 mm. Yellow. In 30 m rolls	-5 ... 180 °C	128115000
Fiber glass. Width 12 mm. White. In 33 m rolls.	-20 ... 250 °C	128009000
Polyamide-Kapton. Width 13 mm. Orange translucent. In 33 m rolls.	310 °C	128114000

Adhesive tape characteristics

- Polyester. Excellent electric and mechanical resistance, it offers good resistance to abrasion and detoration by chemicals and heat. (temperature range: -5 °C to 180 °C).
- Fiber glass. Good mechanical resistance, resistant to chemical atmospheres and high temperatures inherent to the material (temperature range: -20 °C to 250 °C).
- Polyimide - Kapton TM. Designed for extreme environments (up to 310 °C continuous). Excellent resistance to chemical attacks.

COMPLEMENTS FOR FLEXIBLE HEATING ELEMENTS FOR-FLEX and SELF REGULATING CABLE

Description	Code
Protective silicone tube for FOR-FLEX and FORMEC-FLEX	109006000
Copper plate connector for FOR-FLEX and FORMEC-FLEX	103083006
Protective silicone tube for FOR-FLEX SUPER	109014000
Copper plate connector for FOR-FLEX SUPER	103079006
Thermostat with clamp for piping. Adjustable 0-90 °C	3503440520

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

11.5 - Anti-Legionella electronic thermostat

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 great concurrence: 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

GROUP 12- Temperature regulator ON/OFF, PD, PID. Programmable

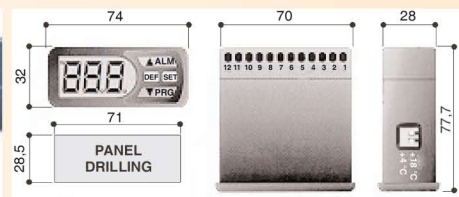
12.2 - Electronic thermostat. CTX Range

DIGITAL ELECTRONIC THERMOREGULATOR, CTX RANGE

Electronic thermostats with digital visualisation, for controlling temperatures in heating, refrigeration and industry. A microprocessor, with adjustable parameters and the possibility of connecting a temperature alarm.

Code	Reference	Range	Sensor type
3501020449	CTX031N00	-45 ... 50 °C	NTC
3501020444	CTX031Y00	-45 ... 130 °C	PTC

NOTA: The model CTX031N00 is supplied with incorporated NTC sensor. The model CTX031Y00 is supplied **WITHOUT** the PTC sensor, its code being 3501020442



Technical data, CTX031N range

- ON / OFF regulation
- Relay output 8(2)A ~250 V
- Accuracy ± 1 digit
- Sensor accuracy ± 2%
- Front dimensions 32x74 mm
- Working temp. 0 - 50 °C
- Protection: IP52 for the front panel, IP20 for terminals
- Power supply ~230 V

Technical data, CTX031Y range

- ON / OFF regulation
- Relay output 8(2)A ~250 V
- Remote control alarm output through an optoisolator with a capacity ranging from 40 to 80 mA 250 Vca
- Accuracy ± 1 digit
- Sensor accuracy ± 2%
- Front dimensions 32x74 mm
- Working temp. 0 - 50 °C
- Protection: IP52 for the front panel, IP20 for terminals
- Power supply ~230 V

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