### Installation









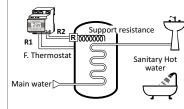
### ASSEMBLY NOTE

Before making any electrical connections, ensure that the control is disconnected from the power supply.

Any manipulation of the control is to be performed only by qualified personnel.

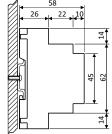


## Exemple of aplication

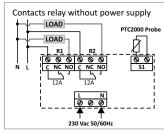


### Measures mm





### **Electrical Drawing**





### **Guarantee Conditions**

This appliance has a three-years guarantee limited to replacement of defective parts. Transports not included.

We will not accept any responsibility for damage caused to the appliance by poor handling.

The guarantee does not include:

Appliances with a damaged, effaced or altered series number.

Appliances which have not been connected or used following the instructions that accompany

Appliances which have been altered without the prior consent of the manufacturer.

Appliances damaged by blows of liquid spills or gaseous emissions.

For the rest of general conditions visit our web.

### VERY IMPORTANT:

Before opening the box, to access the connection, make sure the voltage switch.

This controller is not a safety device, or can be used as such, it is the responsibility incorporate adequate protection to every type of installation (homologated) installer.

The probe cable must be as far away as possible from other electrical conductors. If need lengthen, it is to be done by welding and shrink to keep reading value and isolate from

Independent control device mounting, and connection via fixed pipeline.

Reserved the right of modify without prior

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# Setpoint temperature for the thermostat function

### 1 - The display will show the temperature detected by the sensor. Press ♠ or ✔ and the set point temperature value appears blinking.

**Use Instructions** 

2 - To change the set point press while blinking, to increase or decrease the desired temperature. The temperature is memorized after 3 seconds of not playing the keys.

### On screen display

EL . Error during the high temperature cycle: if after 5 hours the desired temperature for High temperature cycle is not reached (parameter HAL), the display will flash ELG and the device will exit the Cycle, this message will only disappear if in the next cycle the temperature is reached (HAL).



Relay display: fixed symbol on the screen indicates that the relay is running. Blinking indicates that the relay is waiting for the time of the doF parameter to activate.



2 High Temperature Cycle: fixed icon of second relay, indicates that the appliance has started the high temperature cycle (determined in the parameters HAL and dEt).

Manual Mode: Means that the operation of the high temperature cycle is in manual mode and is displayed alternating with the temperature detected by the probe. In this mode the parameters Hoi, Mii, dAi and rEP are annulled.

TRF Forced Manual Cycle: Press the OK button for 5 seconds to enter the forced high temperature cycle. If the appliance is operating in automatic mode, this action does not interfere with the programming of the next high temperature cycle. To exit, press the **OK** button for 5 seconds, release the button and press the OK button again for 5 seconds.

"ES" Probe Error: Probe is disconnected or its wires are cut.

"AL" The room temperature is beyond the limits marked by the HSE & LSE parameters. the screen shows in alternating mode AL & temperature detected by the probe

### Reset settings to factory defaults

- Disconnect the control power and reconnect, wait until see on the screen the temperature reading.
- Press **OK** until see on the display "---" (approx. 40 seconds).
- The settings return to the factory settings if you has the password disabled ("-0-").

# Parameters...Description Factory settings Scale

Setpoint temperature 40	10 to 95°C
Hor Internal clock hour 0	0 to 23 H
Min Internal clock minute 0	0 to 59 min
dAY Internal clock day of week 1	1 to 7
Hoi Start hour of the cycle	0 to 23 H
Mii Start minute of the cycle0	0 to 59 min
dAi Start day of week of the cycle 1	1 to 7
rEP Nr of days between cycles7	1 to 25
dEt Cycle duration at temp. elevated 5	5 to 120 min
HAL Cycle temperature70	50 to 90°C
Mod Operating modeAuT	AuT / Man
diF Temperature differential (Hysteresis) 1.0	0.3 to 9.0°C
<b>HSE</b> High set point	10 to 95
LSE Low set point10	10 to 95
doF Minimum time for off0	0 to 15
CAL Sensor calibration0.0	-9.0 to 9.0
tPP Time to access to prog. parameters 5	3 to 40 sec.
PIN Parameter acces code 0(deactivated)	0 to 99

Legionelus 70 Raíl code: 26.178

The Legionelus 70 has two functions: Thermostat and High

1 - The thermostat function is defined by the set point temperature

and the diF parameter. Connect the relay 1 when the temperature

of probe 1 is below the set point minus the value of diF and

disconnect the relay when it reaches the set point temperature

2 - The Hygiene function is carried out by means of a high

temperature cycle that activates relays 1 and 2 until it reaches the temperature marked in HAL, and stops them when it reaches it.

The internal clock allows you to define the start of the cycle, the

temperature to be reached, how often the cycle has to repeat and

When the device is connected to the mains supply for the first

time, it indicates "---", " L [ " "---" and then alternates SET and temperature. You have to enter programming to configure the

internal clock (Hor, Min and dAY). This data is only erased from the

memory when the power is off for two weeks in a row or a reset is

Hygiene function can be performed in manual mode or in

In automatic mode the high temperature cycles are defined by the

parameters Hoi, Mii, dAi, rEP, dEt and HAL. Pressing Kan

perform a high temperature cycle in manual mode without

In manual mode, the Hoi, Mii, dAi parameters are annulled, so

whenever you want to perform a high temperature cycle you have

1 - Press PRG during the time defined in the parameter tPP (of

2 - Press o or to select the parameter you want to change.

4 - While value is blinking, press or to change the desired

5 - Press to scroll forward to the next parameter. Repeat

6 - Press **PRG** to exit the parameters **LG** & "---" appears and then

the current temperature detected by the sensor. After 1 minute

without pressing any key, the thermostat leaves programming

value. Press ok to store it in memory. The designation of the

3 - Pressing their current value will appear blinking.

parameter being programmed reappears.

factory 5 seconds) & "Hor" appear in the screen, whenever PIN

sets "0" otherwise enter the value to access the parameter

affecting the next cycle programmed in automatic mode.

Enter in menu of parameters programming

Description

plus the value of dif.

its duration.

temperature cycles for hygiene.

automatic mode (Mod parameter).

to force it by pressing the key [...].

number 3 and 4.

of parameters.

Thermostat with high temperature cycle programmer

### **Technical specifications**

ower supply: 230Vac +10%, -15% 50/60Hz
reaking power (potentials free contacts): 12(5)A 250V~
robe (cables without polarity): PTC2000 IP65, -40°C to +140°C
emperature scale for the thermostat function:+10°C to +95°C
emperature scale for the cycle function:+50°C to +90°C
laximum cable section to connect:
esolution:
nvironment: Tmin. <b>0°C</b> , Tmax. <b>45°C</b> , %H.R. <b>20 85</b> %
orage temperature: maximum 50°C
rotection degree:
ollution degree:
ction type according EN 60730: