

# ANTARES<sup>®</sup>

for water and fire

UK

T.016.24



## Daily Chronothermostat T.016.24

We would like to thank you for having chosen one of the models of our range of chronothermostats.

### Warnings

Read the following precautions carefully before installing the thermostat. Installation must comply with all regulations, norms and laws relating to the technical features, fitting and use for the electrical equipment. The manufacturer is not liable for any damage or injury caused by failure to carry out these instructions. Keep these instructions in a safe place for further reference.

### ATTENTION!

The installation procedure described as follow must be performed exclusively by qualified personnel in respect to the security norms and dispositions of the current standards. Verify that the thermostat technical data (power supply, contact, rating, etc..) are suitable to the installation conditions.

### Technical data

Adjustment range	5-40°C
Temperature resolution	0,1°C
Differential	+0,5K
Antifreeze	6°C

### Electronic control

Sensor type	NTC
Type of action	2.B
Min. programming time	60 min.
Power supply	2 alkaline batteries 1,5V AA
Battery life	2 years
Contact rating	8 (3) A 250 V -
Relay's contacts	SPDT
Operating limits	0-45°C / 10-90% r.h.(non cond)
Insulation class	II
Degree of protection	IP30

### Conformity to norms and directives

EN60730-1 / 2-9class II - RAEE 2002/96/EC = RoHS2002/957EC  
B.T.73/23/CEE - CEM 89/336

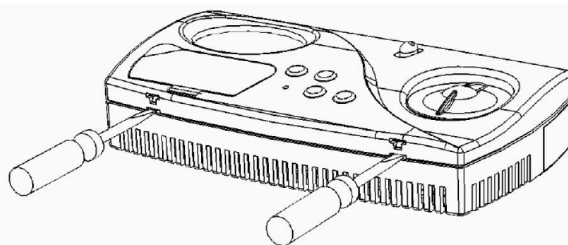
Product manufactured following ISO 9001 V2008 certified processes



**Disconnect the mains before performing any operation!**

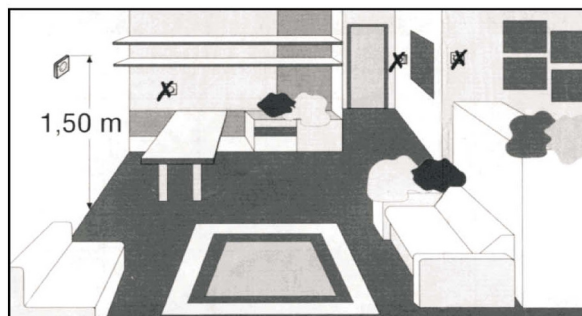
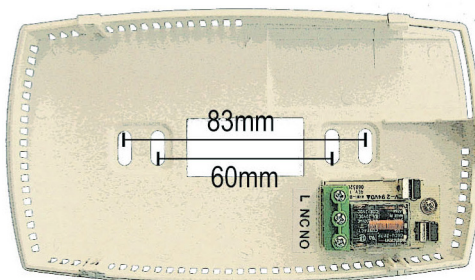
### Opening

Pull out the battery drawer and then lightly press on the spots shown below in order to detach the front shell from its base.



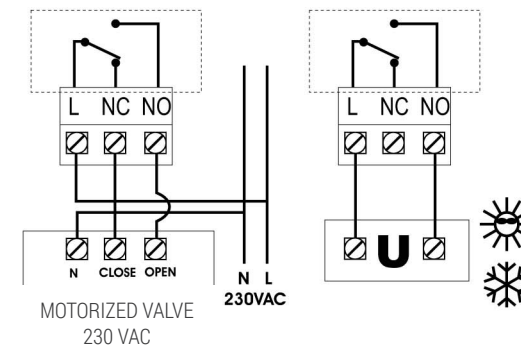
### Wall mounting

Do not install the thermostat in a draft, direct sunlight or close to appliances which give off heat. Install the thermostat on an even surface indoor in a dry and clean place, unexposed to dripping or splashing.



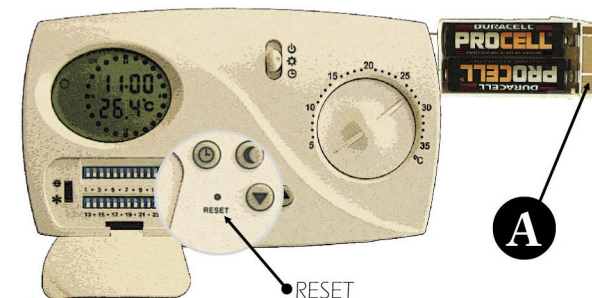
### Electrical wiring

Connect the thermostat as shown above. If the unit is mounted on a metallic surface, make sure that the same are properly grounded. Do not use cables provided with a metal sheath or metal conductivity. Use cables with section 1-2,5 mm<sup>2</sup>. It is recommended to use a protective device in the line circuit. (E.g. Fuse 10A).



### Batteries insertion

After closing the chronothermostat, insert the batteries into the the drawer **A** with the right polarity; theN slide the drawer back into place.



### Reset

After inserting the batteries, restart the unit by pressing with an apt tool the button in the RESET hole (see picture above).

### Batteries replacement

Disconnect mains before replacing the batteries. Use same type batteries only (2 alkaline batteries x 1.5VAA). Do not dispose the used up batteries with the house-hold waste. Refer to your local area dispositions for a proper disposal.

## Let's have a look to the 3 FUNCTION MODES settable by means of the mode switch

- ⏻ **OFF** - the antifreeze protection is ON, the heating will be turned ON when the room temperature is lower than 6°C .
- ☀️ **COMFORT** - the heating system keeps the room temperature even with the knob set temperature (24 hours a day, without considering the set program)
- 🕒 **TIME PROGRAMMING** - the room temperature is kept even to the knob set temperature (Comfort temperature) for the time bands where the microswitch are in the upper position, and equal to the reduce temperature (MOON) for the time bands where the microswitch are in the lower position.

## Now with a few simple steps the chronothermostat T.016.24 will be ready to operate

### CURRENT TIME setting

- Press the **clock** button 🕒
- On the display the time flashes
- Press to **up arrow** button ▲ or **down arrow** button ▼ to set the current time
- After 20 sec. the time will stop flashing; the last shown value will be set.

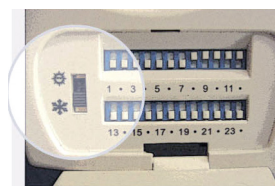
### REDUCED TEMPERATURE setting

- Press the **moon** button 🌙
- On the display the reduced temperature flashes
- Press the **up arrow** button ▲ or **down arrow** button ▼ to set the desired reduced temperature value
- After 20 sec. the reduced temperature will stop flashing; the last shown value will be set.

### HEATING and COOLING mode section

- Select the desired mode by means of the switch shown below

- ☀️ **Cooling**
- ❄️ **Heating**



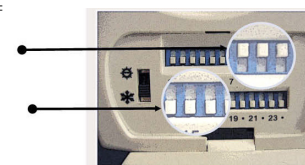
Note: Within "Cooling" mode the minimum period of system OFF is 3 minutes. Within the "Heating" mode the minimum period of system OFF is 30 seconds.

## TIME PROGRAMMING setting

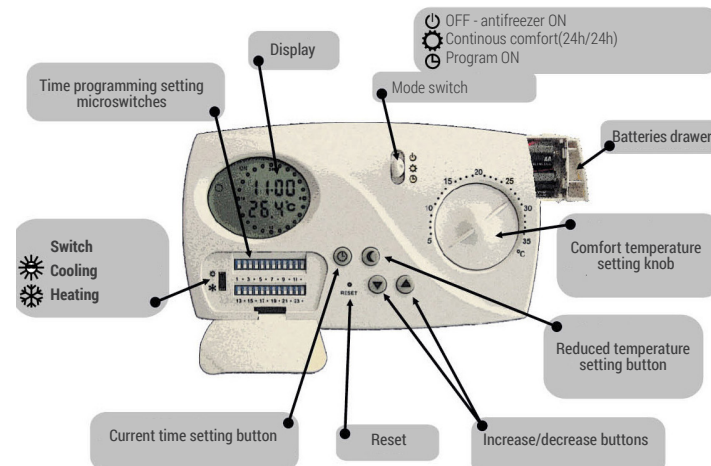
Set the microswitches shown below, in order to have desired program

One microswitch in the **upper** position = **1h of comfort temperature**

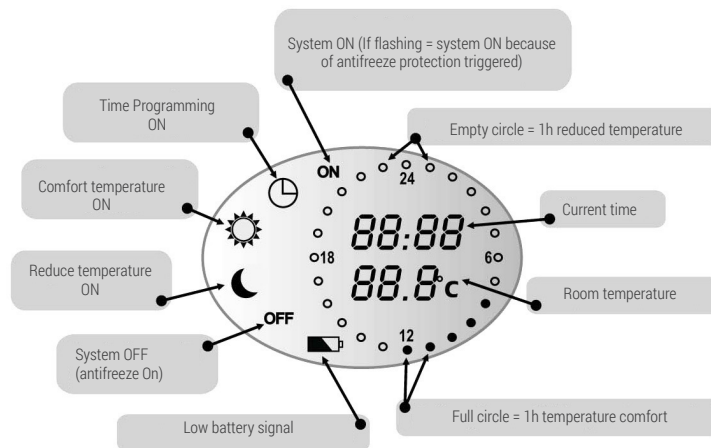
One microswitch in the **lower** position = **1h of reduced temperature**



## Command and more



## Display



**IMPORTANT INFORMATION FOR CORRECT DISPOSAL OF THE PRODUCT IN ACCORDANCE WITH EC DIRECTIVE 2002/96E.C.**

This appliance must not be disposed as unsorted municipal waste. It must be returned to suitable separate collection points, or, as an alternative, it can be hand over, while buying a new analogous appliance, to the retailers which provide a collecting service. Returning this appliance in the correct way allows to preserve, protect and improve the quality of the environment, protect human health and utilise natural resource prudently and rationally. The featured symbol "a crossed-out wheeled bin", also visible on the appliance itself, indicates that the product is subject to separate collection.

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