

DSL 030



EVOLUTION THERMOSTAT K 60 D 040 Z

1 - GENERAL

GB

- The DSL 030 control thermostat is designed to operate with water-type terminal units fitted with the EVOLUTION electronic control system.
- It can be wall-mounted and has a liquid crystal display (LCD) and 4 keys for controlling the air conditioning system. The thermostat is directly supplied by the electronic control system to which it is connected.

2 - INSTALLATION

- The thermostat must be installed by a qualified installer or service technician.
- Consult the EVOLUTION controller's technical documentation.

2.1 - THERMOSTAT PLACEMENT

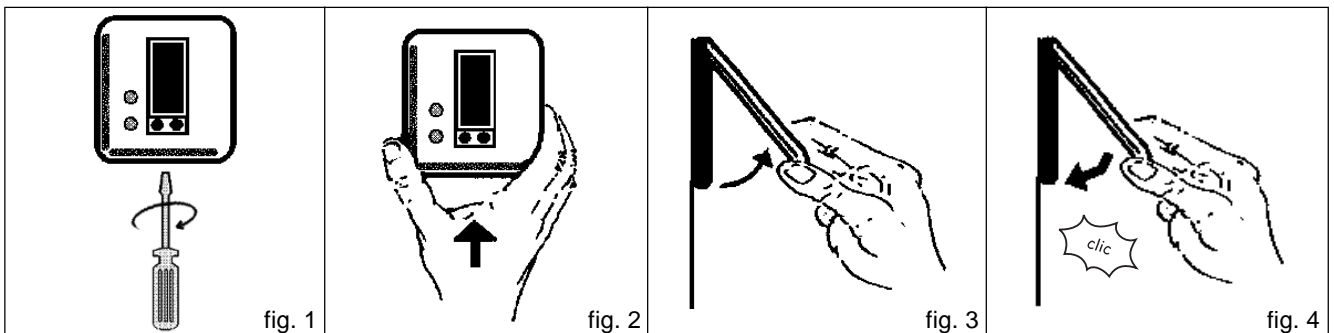
- For proper operation, the thermostat must be installed on an inside wall, in the zone to be air conditioned. It must be located approximately 1.50 m from the floor, in the room's normal convection currents.
- Avoid installing the thermostat in the following locations:
 - behind doors or recesses where air circulation is difficult,
 - on an outside wall (min. distance from outside wall: 0.50 m),
 - in direct sunlight or where heating elements may influence its operation,
 - near air outlets of air-conditioning units,
 - on unheated or uncooled surfaces,
 - near sources of electromagnetic interference.

2.2 - THERMOSTAT INSTALLATION

- Lift the cover of the thermostat and insert a slotted tip screwdriver or coin having a width of approximately 3mm into the slot at the bottom of the case.
Turn 1/4 turn to unhook the thermostat from its base (see fig. 1 below).
- Lift the thermostat and remove it from its base (as shown in fig. 2 below).
- Use the base as a template to mark the mounting holes on the wall (\varnothing : 5 mm) where the thermostat is to be installed. The connecting cable must pass through the rectangular hole in the center of the base.
- Secure the base to the wall using the screws and plugs included with the thermostat.
- Connect the cable to the terminal strip of the base in accordance with the wiring diagram.
Fill in the cable passage hole to prevent any air currents which may adversely influence temperature control.

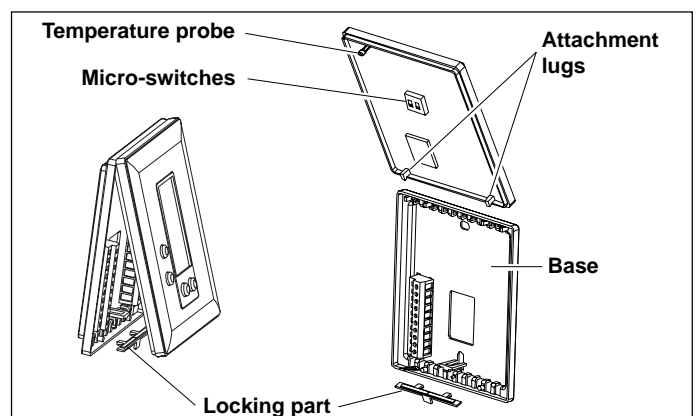
REATTACHING THE THERMOSTAT

- Position the thermostat with the attachment lugs and notches at the top of the base.
- Close the thermostat into position and gently press on the lower edge so that it clicks into place on the base (see fig. 4 below).



2.3 - LOCKING THE CASE

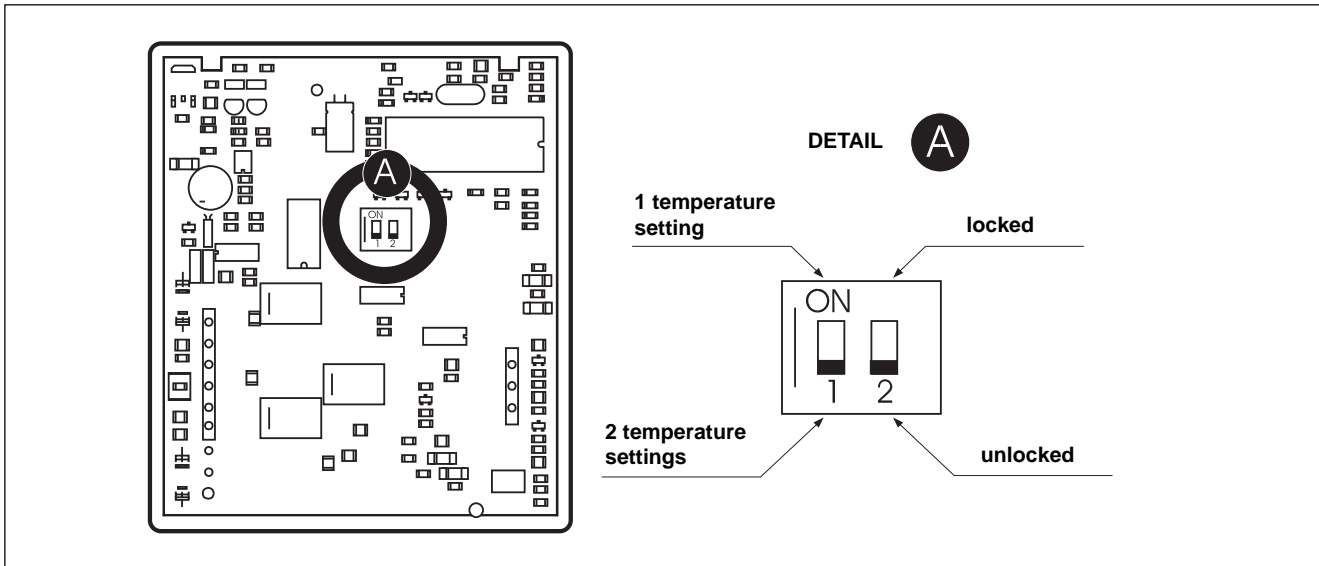
- A plastic part supplied with the thermostat enables it to be locked onto the base (to prevent access to the micro-switches, see § 3).
Insert the plastic part at the bottom of the base as shown before reattaching the thermostat. To free the mechanism, press the part inside the case while gently raising the thermostat off its base.



3 - CONFIGURATION

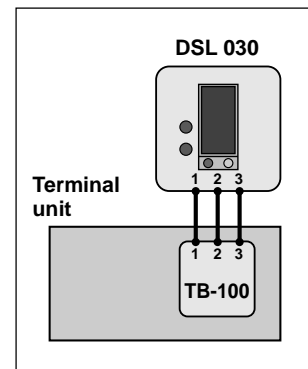
- Two micro-switches inside the thermostat allow you to select the following configurations:
Switch No. 1: operation with 2 temperature settings (standard selection), or with a single temperature setting (simplified selection) (switch in ON position).
Switch No. 2: keypad locking (switch in ON position).
In this case, all keys are deactivated. The thermostat remains in the configuration programmed prior to being locked.

The  symbol is displayed on the screen.



4 - ELECTRICAL CONNECTIONS






- Connect the thermostat to the controller board located inside the terminal unit in accordance with the diagram opposite.
- Consult the terminal unit documentation.
- The connection must be made with telephone type wiring:
 - two Ø 0.6 mm solid-core pairs with shielding,
 - maximum length: 10 meters.
- Do not route the cable near power cable in order to avoid problems related to electromagnetic interference. The cable must be secured.
- Several terminal units can be controlled with one remote control unit by connecting these terminal units via a 2-conductor BUS link.
The terminal unit to which the control thermostat is connected becomes the "Master" while the units connected "down line" on the BUS become the "Slaves".



NOTE: If a control thermostat is connected to a "Slave" unit, this unit then becomes a "Master" and all the terminal units "down line" from it on the BUS would become "Slaves" to this new "Master".

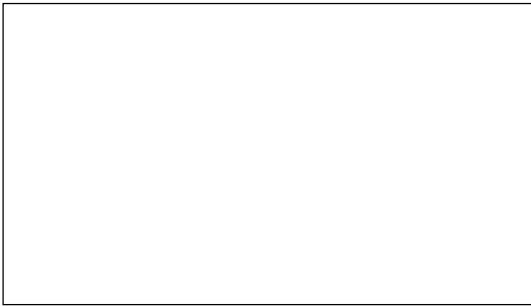
Refer to the connection details in Technical Manual No. 10 12 124.

5 - CALIBRATION OF THE AMBIENT TEMPERATURE DISPLAY

- The value normally displayed on the screen corresponds to the temperature read by the probe located inside the thermostat. This value can be adjusted if it does not correspond to the temperature of the room. Adjustments can be made (+ or - 2°) in the following manner:
 - Press and hold the  key for 10 seconds. The temperature value expressed by two digits will appear.
 - Adjust the temperature to the desired value using the  and  keys.
Note: The original value can be assigned by pressing the  at this time.
 - Press the  key again to return to the normal display mode.

Note: Temperature measurement accuracy

- Provided that the installation instructions have been respected, complete accuracy is attained when the thermostat is installed and operational for more than one hour.



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