



Local display

Description

LOCAL DISPLAY is an OLED Touch Screen technology control and management DEVICE FOR The scenario control, temperature control, and sound system functions of the MY HOME system.

Integration with the device is simple and intuitive:

- when the display is touched, a click is emitted through the internal loudspeaker, and the display comes on for 30 seconds;
- if the display is OFF, or a screensaver is playing, the first touch will cause the display to activate without sending any controls;
- If the display is already active, the corresponding icon becomes coloured while pressed, and the associate control is performed.

On the lower section of Local Display is a serial connector for connection of the device to a PC, using the USB 3559 programming accessory, for updating the configuration, the set of characters and icons, and the firmware.

Technical data

- Power supply from BUS: 27 Vdc
- Operating power supply with SCS BUS: 18 – 27 Vdc
- Stand-by Absorption: 20 mA (max)
- Operating absorption: 60 mA (max)
- Operating temperature: 5 – 35 °C
- Size: 2 flush mounted modules

Legend

1. OLED technology Touch Screen
2. Configurator socket
3. BUS clamp
4. Clamp for the connection of the external temperature probe
5. Serial connector

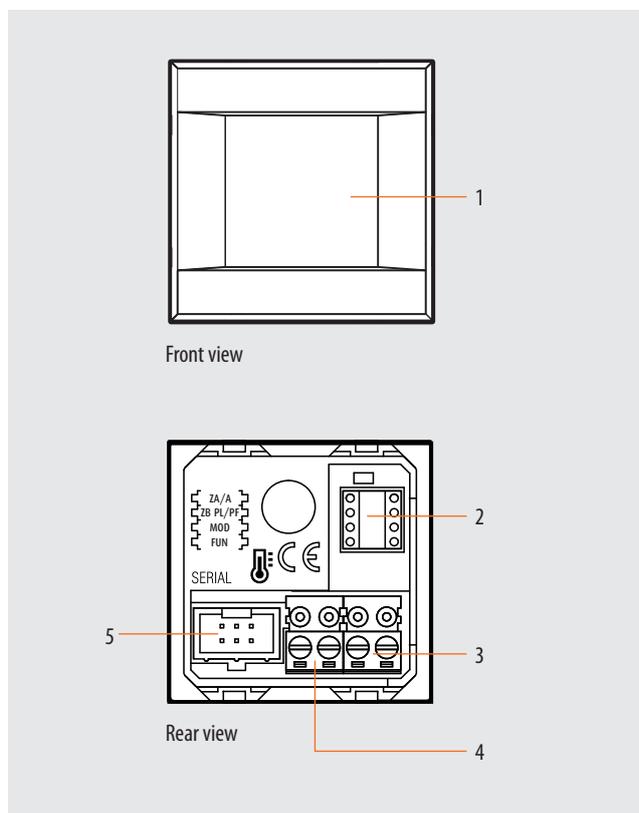
Configuration

Local Display may be configured in two ways:

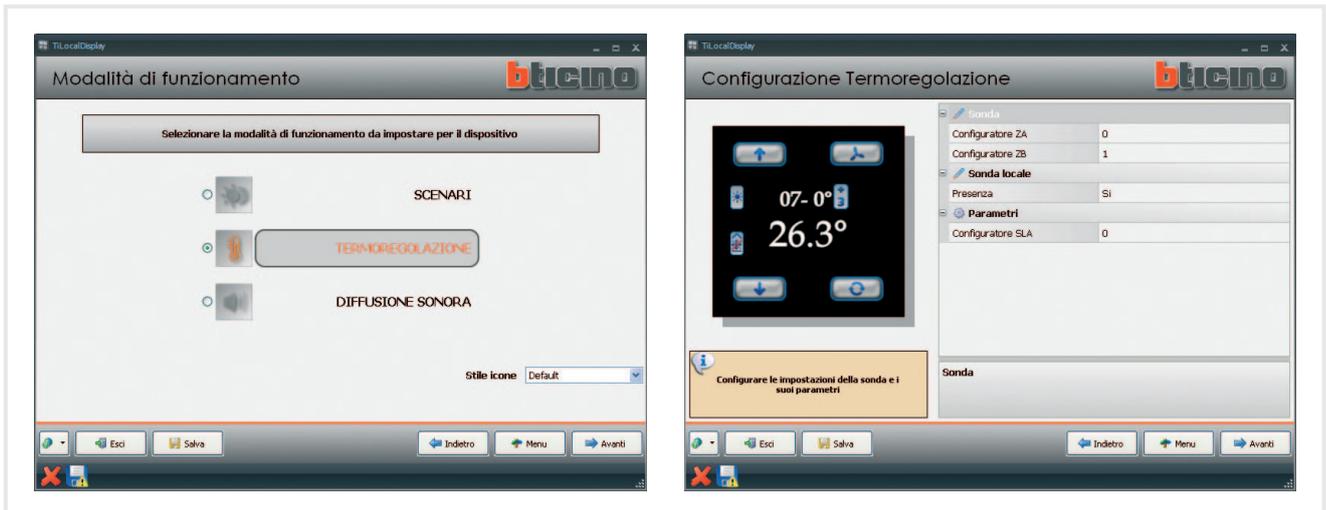
- physical configuration, by connecting the configurators to the appropriate sockets. The configurators can only be used to select the type of function. To set other parameters it will be necessary to connect Local Display to the PC and use the TiLocalDisplay Software.
- from the PC, using the dedicated TiLocalDisplay software.

Based on the configuration set, the device can work in four different modes:

- Scenario control mode
- With external probe 3457
- Temperature control probe mode with HC4693, HS4693, L4693, N4693, NT4693 probe.
- Sound system control mode



TiLocal Display Software sample screenshots



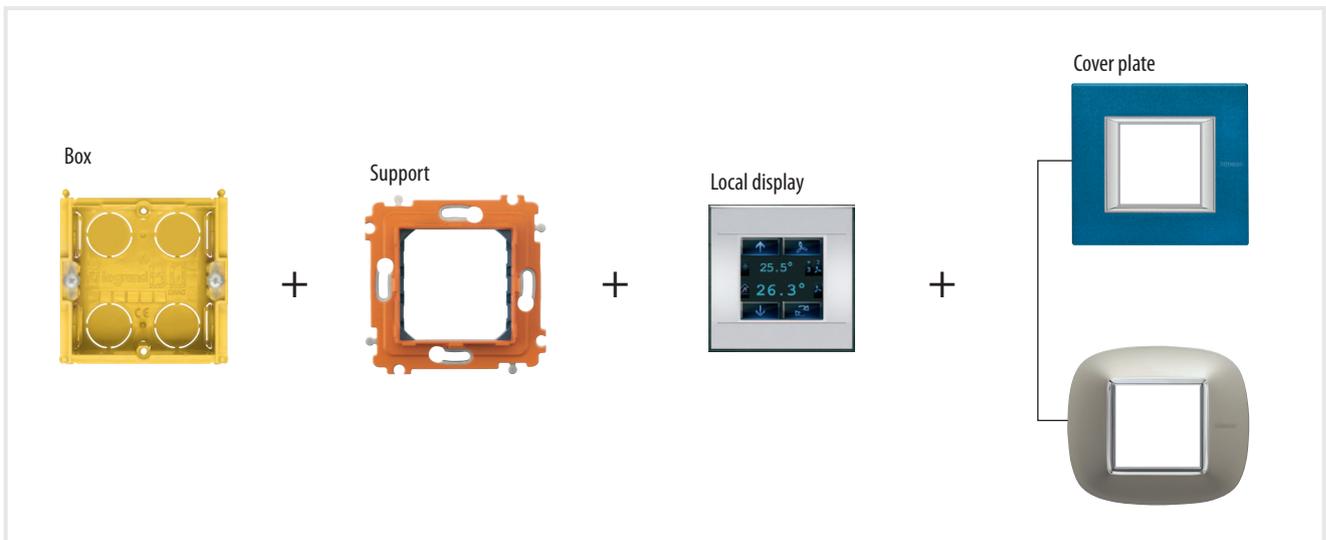
Main possible functions using the software:

- Selection of the operating mode to set for the device, temperature control, scenarios, sound system.
- Configuration of the settings of the probe and of its parameters.
- Configuration of the general device parameters (e.g. screensaver).
- Icon style definition.

Installation

Local Display is installed using a traditional procedure, using a box, support, and cover plate (*); the device is not fitted with a temperature probe. Therefore, it will not be necessary to comply with the probe installation requirements.

The recommended installation height is 150 - 160 cm.



(* **NOTE:** AXOLUTE, LIVING, LIGHT and LIGHT TECH series boxes, supports, and cover plates can be found in the General installation catalogue.

- Scenario control mode - FUN = 1

Thanks to this mode, it will be possible to manage and change 4 different associated scenarios of the F420 scenario module, and activate them by pressing one of the 4 icons shown on the display.

A	Room	0 – 9, room of the scenario module item F420
PL	Light point	1 – 9, light point of the scenario module item F420
MOD	Mode	0 – 8, scenario number
FUN	Function	3

Scenario programming

To program, change or delete a scenario, the programming of Module item F420 must be enabled, confirmed by the programming status LED turning green (press the lock/unlock key for at least 0.5 seconds). After this has been done proceed as follows:

- 1) Press one of the four keys to which the scenario should be associated to for 3 seconds. The screen shows the name and icon of the selected scenario and the programming bar, to indicate that the learning procedure has started. If the device does not receive any commands within 30 minutes from the start of the learning procedure, programming will automatically stop.
- 2) set the scenario using the corresponding controls for the various Automation, Temperature control, Sound system, etc. functions;
- 3) confirm the scenario by quickly pressing on the display
- 4) to change a scenario or create new ones to associate to other pushbuttons, repeat the procedure starting from 1.

To recall an existing scenario, a quick pressure of the corresponding key on the display is enough.

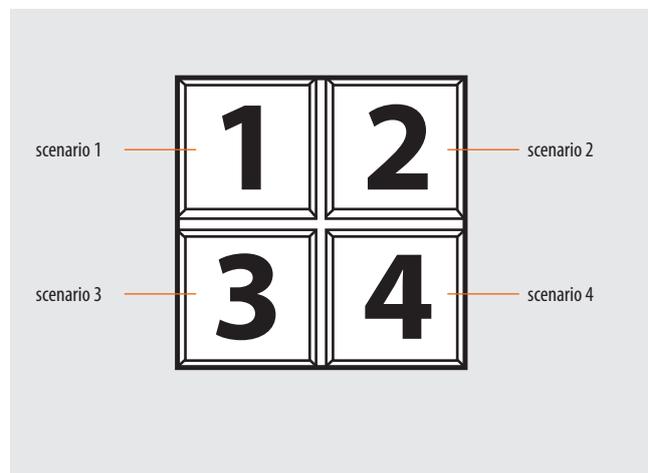
NOTE:

Once the necessary operations have been completed, block programming by pressing the lock/unlock key of the scenario module for at least 0.5 seconds, until the corresponding LED turns red.

To delete a scenario, proceed as follows:

- 1) the scenario module must be enabled for programming
- 2) press the pushbutton for the scenario to be cancelled for at least 10 seconds. The display will confirm that the scenario has been deleted and return to the main screen.

To reset the whole memory from the scenario module press the DEL key for 10 seconds. The yellow LED, "reset scenarios", will flash quickly.



– Sound system control mode - FUN = 2

With this mode, for the associated amplifier the user can control the switching ON or OFF, the volume, the cycling through the sources, and their management (where allowed). Information on the currently active source is also displayed.

In this mode the parameters that can be configured are the local address of the display (which must coincide with the A|Pf address, and the M1 mode of the associated amplifier), and the name of the sources that can be controlled.

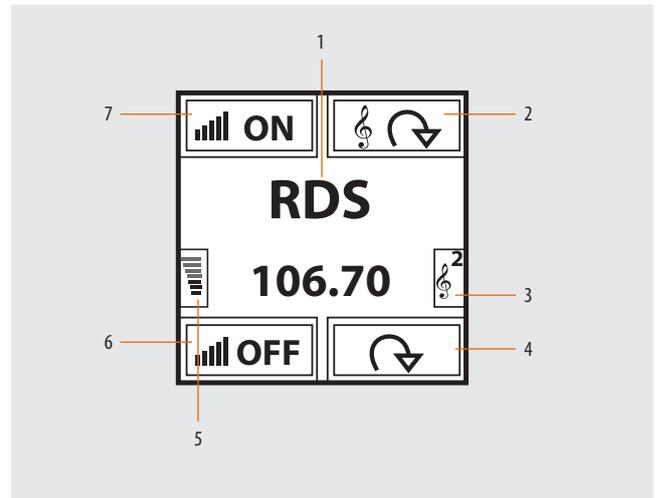
A	Room	0 – 9, amplifier room
PF	Loudspeaker	1 – 9, amplifier loudspeaker
MOD	Mode	0 – 4, source switching ON (*)
FUN	Function	2

NOTE (*): with M=0, source 1 is switched on without first switching OFF the sources (Follow Me mode).

Functions

A quick pressure of keys 6 and 7 will respectively switch ON and OFF the associated amplifier. If the associated amplifier is on, an extended pressure of keys 6 and 7 may be used to adjust the volume, the intensity of which will be displayed by means of an icon 5. A short pressure of keys 2 and 4, will respectively cycle through the sources installed in the system, and launch a control for the currently active source. If the associated amplifier is OFF and no source is on, the screen will not show any information.

Press key 4 for 3 seconds to configure the alarm clock (see the user manual for details).



Legend

1. Indication of the amplifier status or radio frequency
2. Cycling of sources (radio/aux)
3. Active source indication
4. Change radio station
5. Volume level indication
6. Associated amplifier ON and volume increase
7. Associated amplifier OFF and volume decrease

HD4685 - HC4685 - HS4685
L4685 - N4685 - NT4685

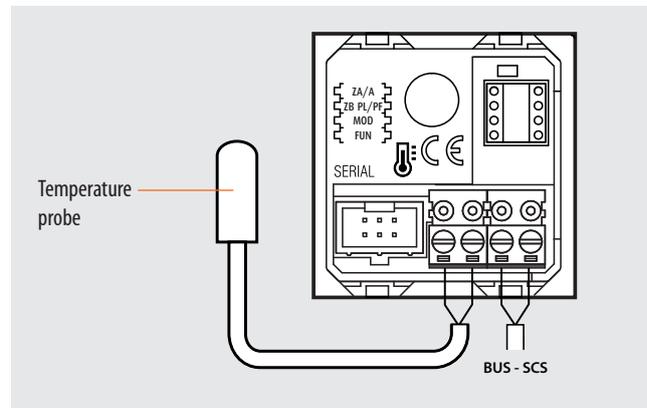
- Temperature control probe mode with external probe - FUN = 3

An external temperature probe, item 3457, with the following characteristics, can be connected on the back of Local Display:

- 10 KΩ at 25 °C BETA 3435
- max. length of the connection 10 metres

Local Display shows the temperature value measured by the external probe, the set temperature value, and the local selector adjustment. The operations that may be performed by user are:

- variation of the temperature set using the local selector,
- FAN-COIL speed management,
- operating mode management



ZA	Zone address	0 – 9, Local Display address
ZB	Zone address	1 – 9, Local Display address
MOD	Mode	0 – 8, Slave probe number
FUN	Function	3

For simple systems, where each zone controls at most one heating actuator and one air conditioning actuator, both of the ON/OFF type, and on a system with only one pump per function, the configuration of the system can be performed by simply connecting the configurators that identify the address of the device and, in case of probe, indicate the number of slaves present.

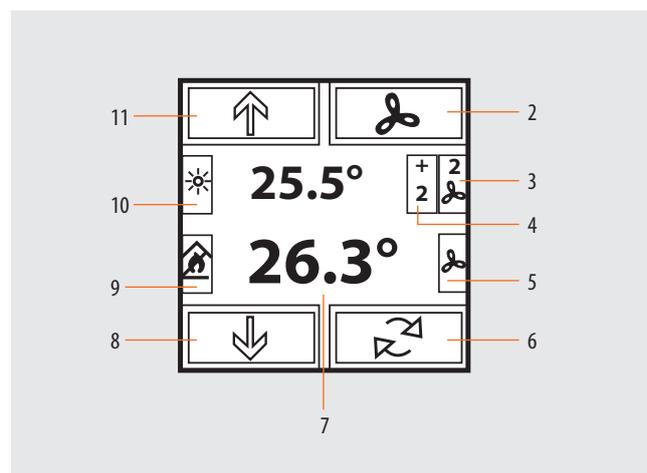
For more complex systems, the probe can memorize the actuators to activate, and the pumps to control on the BUS. The programming operation must be completed directly from the central unit. The central unit can also be used for the calibration of the probe. During the system setting stage, it will be necessary to specify the actuators used for the heating system, and those used for the air conditioning system, as they operate in a complementary way.

Functions

A short pressure of keys 8 and 11 can be used to locally change the temperature by +/-3 °C, in relation to the settings received from the central unit. A short pressure of key 6 can be used to select the mode of operation, cycling through the OFF, antifreeze/thermal protection, and automatic statuses respectively. Each mode of operation is identified by a different icon. A short pressure of key 2 will force the speed the fan-coils, cycling through speed 1, 2, 3 or automatic.

Legend

1. Set temperature
2. Fan-Coil adjustment
3. Fan-Coil speed indication
4. Temperature variation indication
5. Fan-Coil operation indication
6. Change operating mode
7. Measured temperature
8. Decrease temperature
9. Operating mode indication
10. System status indication
11. Increase the temperature



- Temperature control probe mode with HC4693, HS4693, L4693, N4693, or NT4693 sensor - FUN =4.

This mode is different from the previous one in the fact that the external probe is not connected to LOCAL DISPLAY. Being unable to autonomously establish the temperature, it must be associated to at least one probe, items HC4693, HS4693, L4693, N4693, or NT4693. The user is shown the temperature value measured by the associated probes, the set temperature value, and the adjustment of the local selector.

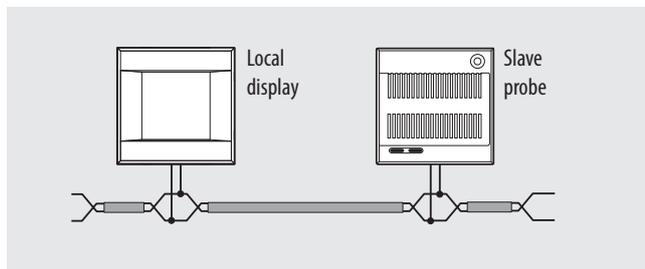
The possible operations for the user are the adjustment of the set temperature using the local selector, and the change of status of the probe. In this mode, the parameters that can be configured are the local display address (which must coincide with the ZA/ZB address of the associated probe), the type of control of the pump, the type of mode, and the number of slave probes.

ZA	Zone address	0 – 9, probe address
ZB	Zone address	1 – 9, probe address
MOD	Mode	0 – 8, Slave probe number
FUN	Function	4

For simple systems, where each zone controls at most one heating actuator and one air conditioning actuator, both of the ON/OFF type, and on a system with only one pump per function, the configuration of the system can be performed by simply connecting the configurators that identify the address of the device and, in case of probe, indicate the number of slaves present.

For more complex systems, the probe can memorize the actuators to activate, and the pumps to control on the BUS. The programming operation must be completed directly from the central unit. The central unit can also be used for the calibration of the probe. During the system setting stage, it will be necessary to specify the actuators used for the heating system, and those used for the air conditioning system, as they operate in a complementary way.

Example of configuration of a zone (address 47) with Local Display and probe item HC4693, HS4693, L4693, N4693 and NT4693



Local Display (HC/HS/L/N/NT4685)		Slave probe (HC/HS/L/N/NT4693)	
Socket	Configurator	Socket	Configurator
ZA	4	ZA	4
ZB	7	ZB	7
MOD	1	MOD	SLA
FUN	4	SLA	1

Functions

A short pressure of keys 8 and 11 can be used to locally change the temperature by +/-3 °C, in relation to the settings received from the central unit. A short pressure of key 6 can be used to select the mode of operation, cycling through the OFF, antifreeze/thermal protection, and automatic statuses respectively.

Each mode of operation is identified by a different icon. A short pressure of key 2 will force the speed the fan-coils, cycling through speed 1, 2, 3 or automatic.