Wall units and controllers

EAN code
EST3_white/white 8595188177009

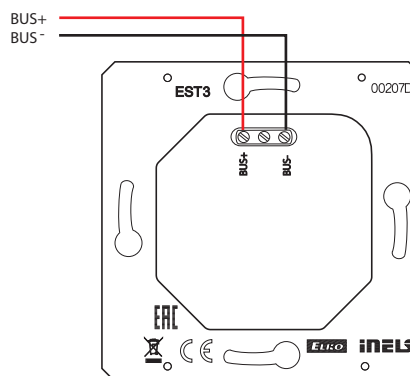| Technical parameters	EST3
Display	
Type:	colored TFT LCD
Aspect ratio:	3:4
Visible area:	52.5 x 70 mm
Backlight:	active
Touchpad:	4-wire resistive
Display:	3.5″
Number of points:	240 x 320
Color Depth:	16.7M (24 bit color)
Power supply	
Supply voltage/tolerance:	27 V DC, -20/+10 %
Dissipated power:	max. 2 W
Rated current:	150 mA (at 27 V DC)
Connection	
Connection:	terminals
Connecting conductors profile:	max. 2.5 mm²/1.5 mm² with sleeve
Operating conditions	
Operating temperature:	0 to +55 °C
Storing temperature:	- 20 to +70 °C
Protection degree:	IP20
Overvoltage category:	II.
Pollution degree:	2
Operating position:	any
Installation:	installation box
Dimensions and weight	
Dimensions:	94 x 94 x 36 mm
Weight:	120 g

* Ordering codes of all colours are available in the iNELS price list.
** Weight is listed with plastic frame.

- The control unit with touch screen EST3 is a suitable control element of the iNELS system in places where it is necessary to control multiple devices. The unit replaces several drivers and enables minimizing the number of switches on the wall.
- EST3 features a 3.5 "color touchscreen with an aspect ratio of 3:4. The basic display resolution is 240x320 pixels. The color depth of 16.7 million colors (24 bit color, True Color).
- Use the touch sensing surface to control configured buttons and symbols on the screen just by a light touch of a finger. Individual symbols on the screen are in the "Press" animated by the associated output in the system.
- EST3 has these screens (the displayed screens can be set in iDM3):
  - buttons screen
  - temperature control screen
  - control RGB/RGBY/RGBW light sources screen
- Selecting the default screen is possible from the iDM3 software.
- For screen of buttons one of four different matrixes buttons can be used - 2x2, 2x3, 3x3 and 3x4. Matrix selection can be done from the iDM3 software. On the screen can then be used up to 12 buttons to control appliances or scenes.
- In the menu settings, directly on the EST3 component one of 48 prepared symbols (for control of lighting, shading, scenes and other technologies) can be assigned to each button or the buttons can be used to enter text (number of characters depends on the matrix of buttons and therefore the size of the buttons).
- The temperature regulation screen enables coordination of the temperature of the selected heating circuit in a range of ±3, ±4 or ±5 °C (in relation to settings in iDM3).
- The virtual wheel can be used for temperature correction, where you can drag your finger across the screen to control the temperature by half a degree Celsius.
- The temperature correction can also be used instead of the virtual wheel symbols "+ " and "- " .
- EST3 units do not have an integrated temperature sensor, or terminals for connection to an external temperature sensor. Within the iDM3 software, it is possible to assign any unit of heat input system iNELS.
- The control RGB/RGBY/RGBW light sources screen allows you to comfortably control your RGB/RGBY/RGBW light sources and adjust the luminous atmosphere as needed.
- For these RGB/RGBY/RGBW light sources , it is possible to use the controls on the screen to adjust the color and brightness. It is also possible to directly set the RGB/RGBY/RGBW illumination light source into white color.
- Located in the left upper corner of the screen are 4 indicators that can signal the status of any logical input/output in the iNELS system.
- In iDM3 it is possible to define the displayed screen, the default screen, matrix of buttons, type RGB/RGBY/RGBW and a correction range for the temperature control.
- In the settings menu directly on the device EST3 it is possible to select the menu language, screen saver, sleep mode, brightness adjustment and symbols and texts for each button.
- EST3 are designed as LOGUS⁹⁰ devices (EST3 however cannot be placed into multi-frames with other devices in this design) and are intended for mounting to installation box.

Connection

Screenshots

Decrease brightness

0 %

Increase brightness

Output ON/OFF button

ON/OFF

Illumination in color based on RGB

Illumination in white

Device Information

Button for moving between screens

IN1

IN2
IN3
IN5

IN4

IN6
IN8

IN7

IN9
IN11

IN10

IN12

Button for moving between screens

Button for moving between screens

Ab1

Switch between modes: Heating/Cooling/OFF

Switching control: AUTO, Manual

18.5 °C   AUTO

Required temperature

Current temperature

19.0 °C

Circuit temperature adjustment

Button for moving between screens

Settings

RGB lamp and light source control screen

- The RGB light sources control screen contains controls for managing the desired color and brightness of the RGB light sources.
- RGB control screen function is set up so that the colors R, G, B are bound together and simulate the signal level on analog inputs R, G, B and the resulting brightness of the lamp is linked to a simulated analog input 0 to 100%.
- The RGB control display is comprised of several elements and buttons.
  - a long press (touch) on the ON/OFF controls the central setting of RGB components and lamp brightness - on/off.
  - buttons ☀ ☀ in the upper half of the screen are for setting the lamp brightness from 0-100% in 5% increments (see adjustable brightness indicator in %).
  - buttons ⊛ ☀ in the lower half of the screen are for setting the color comfort and accelerated lamp RGB control. The buttons have a lock function. When pressing ☀ "white illumination" button, the analog inputs are automatically set to the maximum value of individual color components, which appears as a resulting white light at the RGB light source output when these components are mixed. Then simply adjust the brightness intensity at the output. When pressing (touching) the button ⊛ "RGB-based color illumination", the "white illumination", button ☀ automatically unlocks, and the "RGB-based color illumination" settings button locks. Now the values of analog inputs of individual RGB color components are preset according to the set cursor in the color wheel of the RGB scale on the EST3.
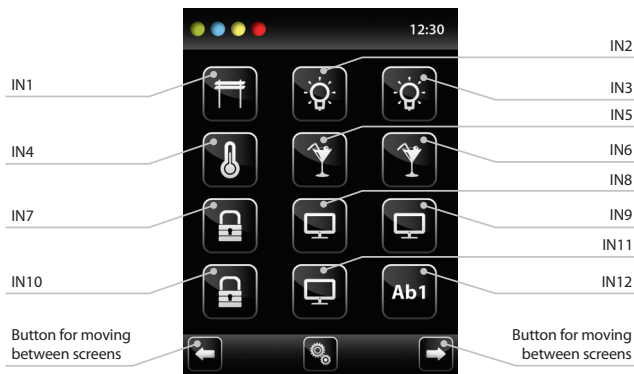
Heating control screen

- On the temperature control screen, the temperature of the selected heating circuit can be corrected in the range of ±3, ±4 or ±5 °C.
- The virtual wheel can be used for temperature correction, where you can drag your finger across the screen to control the temperature by half a degree Celsius.
- The temperature correction can also be used instead of the virtual wheel symbols "+ " and "- " .
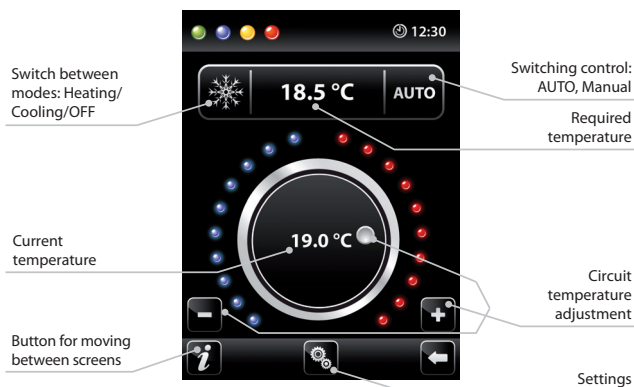
Buttons screen

- Programming iNELS system functions on each button on the screen units EST3 is the same as programming other digital inputs or events for input or button units.
- Buttons can be configured as well as other inputs in the system, both for short and also long press (> 1.5 s).
- Buttons (icons) on the screen can be used instead of control outputs for visualization of one of the digital outputs of the system iNELS. This is made possible by assigning button to the desired output.
- In doing so, the button (icons) on the screen EST3 will become signal lamps (illuminated button), showing the state of the associated output.

Additional infromation

- Info 🛈 gives information on the device and firmware version.
- Clicking the icon ⚙ brings you to the settings menu, used to edit the EST3.
- The icon ◀ ▶ returns to the buttons panel.
- The system time is displayed in the upper right corner of the screen.
- All inputs and outputs on the EST3 unit can be freely programmed and parameterized using the iDM3 program.