Touch Screen Wall Panel

MTS/X500
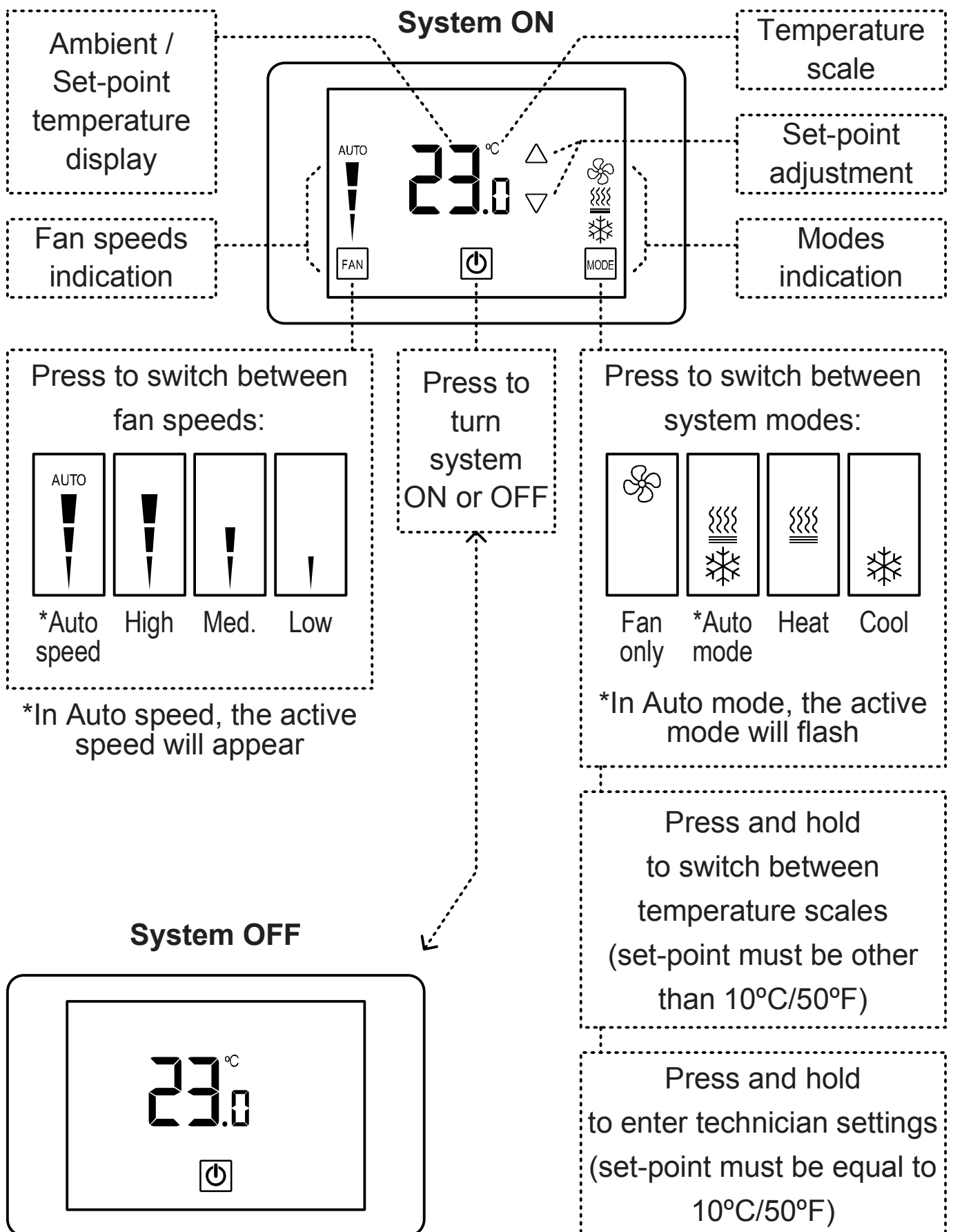
Owner's manual and technician settings

🌀 **meitav-tec**

Index

1. Owner's Manual

Ambient / Set-point temperature display

System ON

Temperature scale

AUTO 23.0 ℃ △ ▽ ☼ ≋ ❄

FAN ⏻ MODE

Set-point adjustment

Fan speeds indication

Modes indication

Press to switch between fan speeds:

AUTO | High | Med. | Low
*Auto speed

*In Auto speed, the active speed will appear

Press to turn system ON or OFF

Press to switch between system modes:

Fan only | *Auto mode | Heat | Cool

*In Auto mode, the active mode will flash

Press and hold to switch between temperature scales (set-point must be other than 10ºC/50ºF)

System OFF

23.0 ℃

⏻

Press and hold to enter technician settings (set-point must be equal to 10ºC/50ºF)
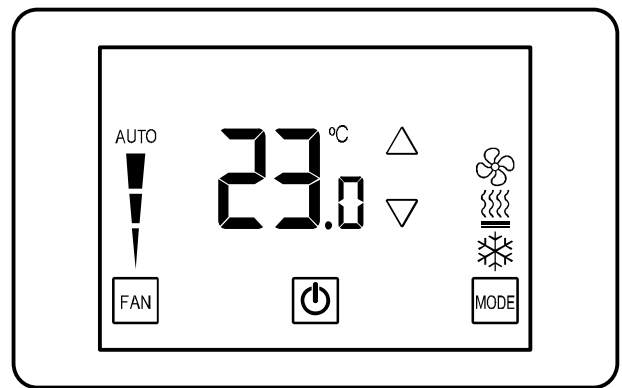
1.1 Turning the unit ON or OFF

- Press the ⏻ button to turn the unit ON – system mode and fan speed symbols will appear on display.

- Press again to turn the unit OFF – the symbols will disappear.
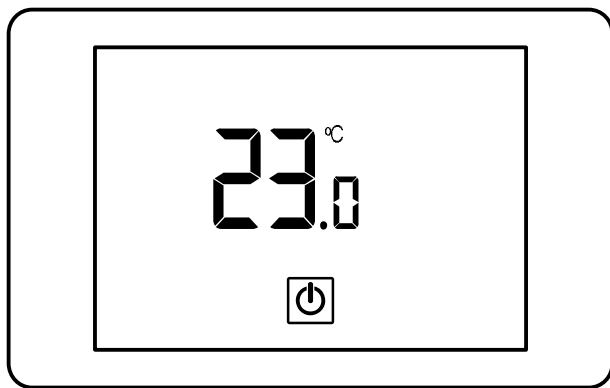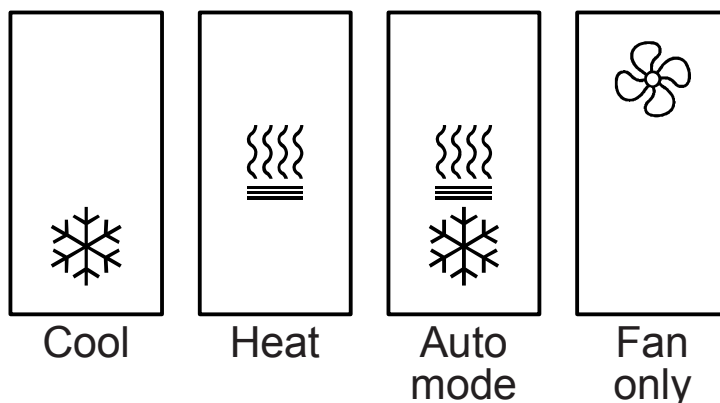

Unit OFF   Unit ON

1.2 Adjusting the set-point temperature

- While the thermostat is ON, press the ▽ or △ buttons – the set-point temperature will flash.

- Press again to adjust the set point.

1.3 Switching between system modes

- Press the MODE button to switch between system modes:

 | | | | |
  |:---:|:---:|:---:|:---:|
  | ❄ | ⌇⌇ | ⌇⌇ ❄ | ✿ |
  | Cool | Heat | Auto mode | Fan only |

  Notes:

  - During demand for cooling (cooling active), the ❄ will flash.
  - During demand for heating (heating active), the ⌇⌇ will flash.

> The selection of system modes may be disabled depending on type of the CTU main board connected to the panel.

1.4 Switching between fan speeds

- Press the FAN button to switch between fan speeds:

  Note: When Auto speed Is selected, the word "AUTO" and the active fan speed will appear on display

▾	◣▾	◣◣	AUTO ◣◣
Low speed	Medium speed	High speed	Auto speed
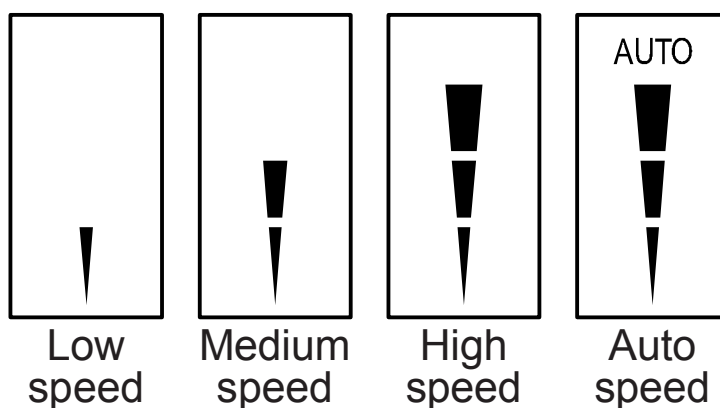
> The selection of fan speeds may be disabled depending on the type of the CTU main board connected to the panel.

1.5 Fan on demand (Auto fan)

- Press and hold the [FAN] button to activate or deactivate

  fan on demand (Auto fan) function.

Notes:

- When activated, the fan will run with demand for cooling

  or heating.

- The fan on demand function cannot be activated with

  "Fan only" mode.

> This option may be disabled, depending on the type of the CTU main board connected to the panel.

AUTO FAN

AUTO FAN
active

1.6 Faults

F8 – Communication fault with the CTU main board

Check wiring connection between the CTU and the room panel

and verify the DIP Switches configuration.

Note: Depending on CTU type, some other symbols may appear on

the display,

2. Installation Instructions

The MTS/X500 Room panel is designed for flush mounting in the room to be controlled. It should be located where the occupant can easily read the display and use the controls.

If the built in temperature sensor is being used to measure room temperature, the panel should be placed where the temperature is representative of the general room conditions, away from cold or warm air draughts, radiant heat and direct sunlight.

The panel should not be installed on an outside wall.

- The standard installation height is 1.5 meter (5 feet) from the floor.

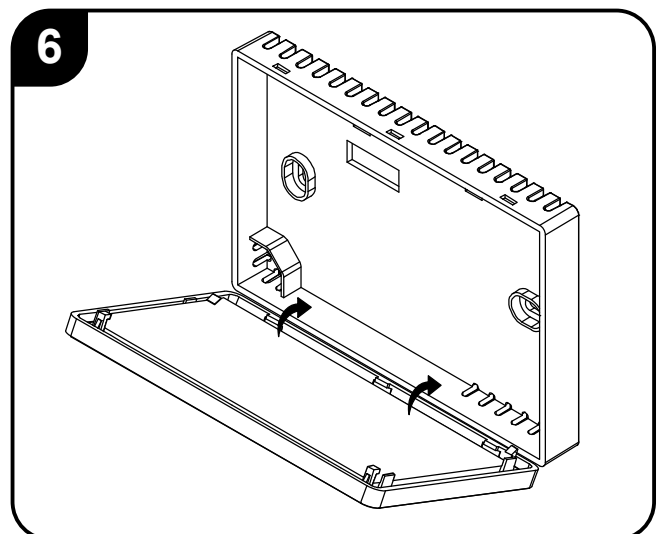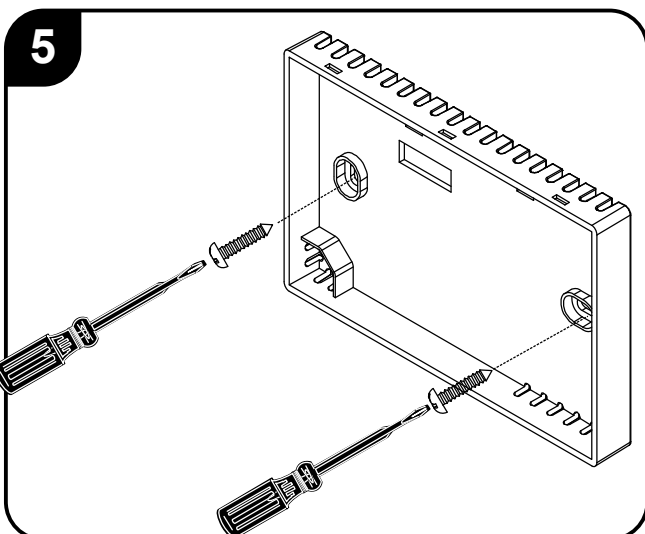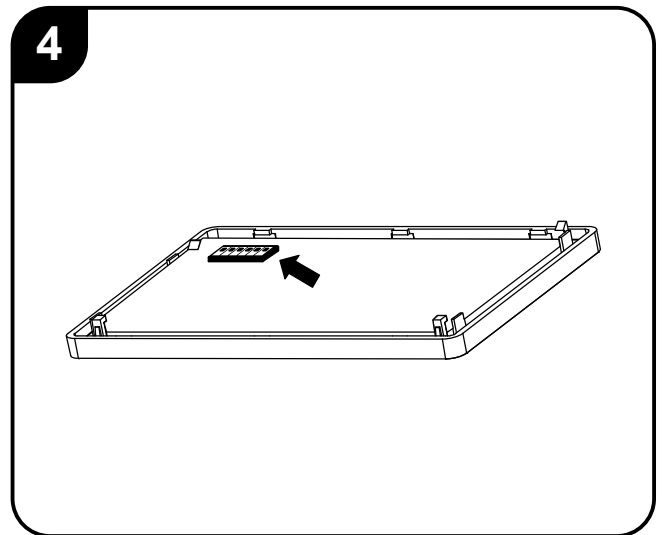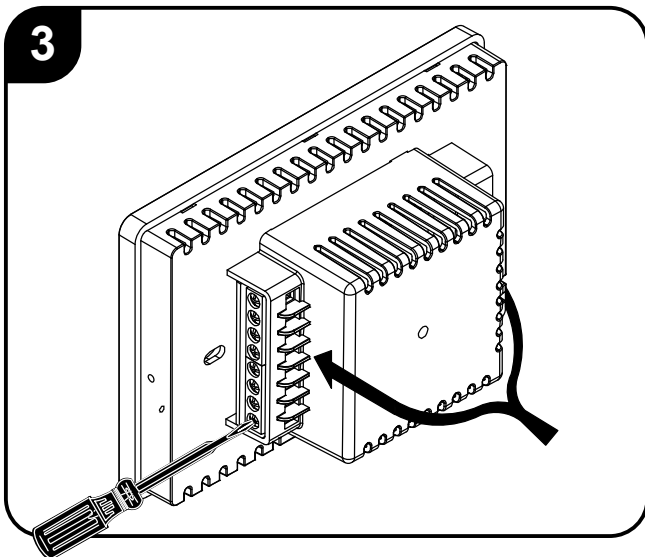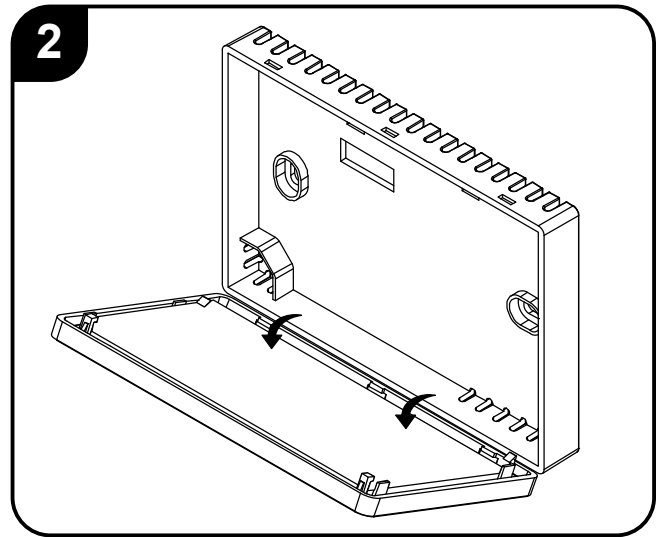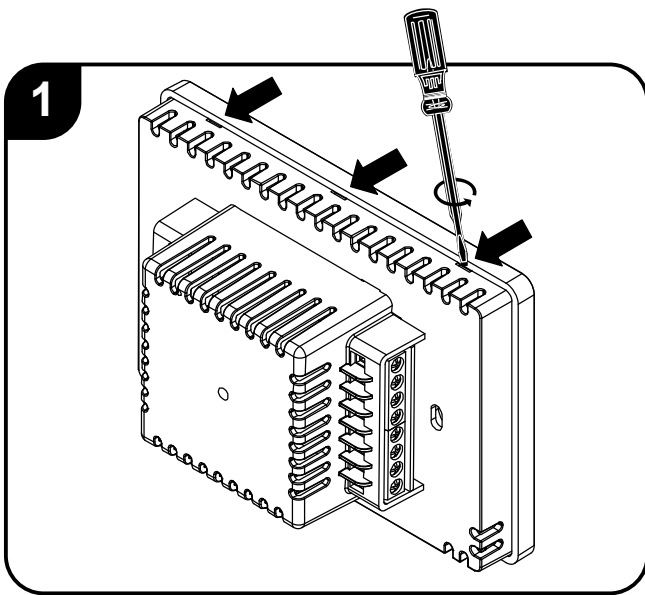|	
⚡	**WARNING:** Risk of Electric Shock and Property Damage. Disconnect power supply before making electrical connections. The installation is to be performed by a qualified electrician.

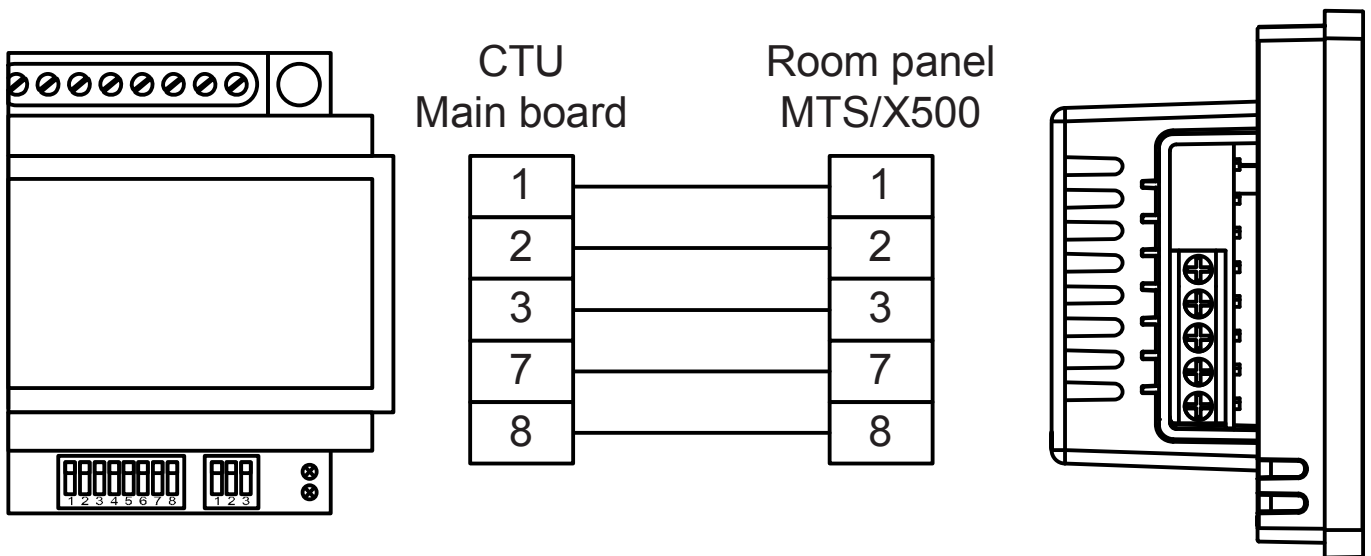|	
	WARNING: The integrated circuits in the controller are sensitive to static currents. Take suitable precautions.

2. Installation Instructions (cont')

Installation procedure:

1. separate the front display from the back plastic cover by inserting a a small flat screwdriver into each of the three slots as shown in the picture and rotating it gently.

2. Remove the front display and keep it in a safe place.

3. Connect the wires as shown in the enclosed wiring diagram. All terminals accept 1x0.5mm^2/24 AWG.

4. If necessary, make changes to the DIP switches position as explained in this manual.

5. Place the thermostat in the electrical box and tighten up the 2 screws (Gewiss Box - GW 24 203).

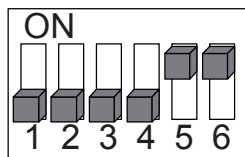6. Adapt the front frame-panel into its place, by pushing it towards the wall.

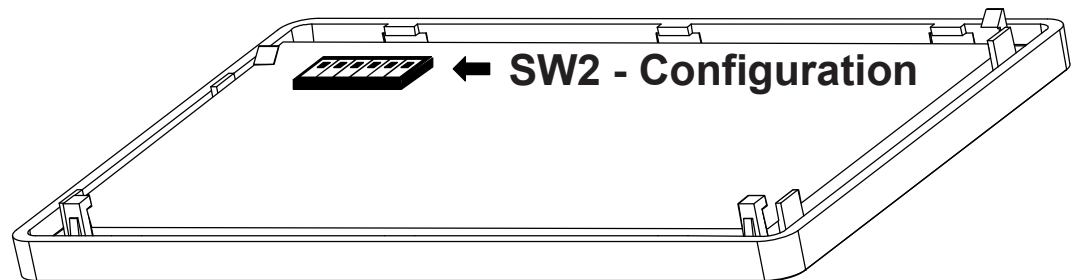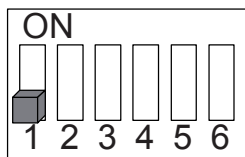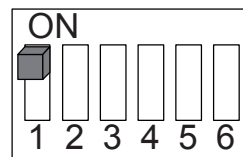# 2. Installation Instructions (cont')

3. Wiring diagram

CTU
Main board

Room panel
MTS/X500

CTU	Room panel
1	1
2	2
3	3
7	7
8	8

4. DIP Switch settings

ON

1 2 3 4 5 6

*Default

← **SW2 - Configuration**

Switch 1 – Temperature readings from CTU or fom room panel

ON

1 2 3 4 5 6

Switch OFF
Readings from
room panel
(default)

ON

1 2 3 4 5 6

Switch ON
Readings from
CTU

Switch 2 – Always OFF

Switch 3 – Always OFF

Switch 4 – Always OFF

Switch 5 – Always ON

Switch 6 – Always ON

5. Technician Settings

Enter technician settings

- Adjust the set-point temperature to 10ºC – the button ⚙ will appear on display.

- To enter technician settings, press and hold the ⚙ button for 5 seconds.

- Use the MODE button to advance to the next parameter.

- Use the FAN button to return to return to the previous parameter.

- Press the ⏻ button or wait 60 seconds to exit technician settings and return to normal display.

$$10.0 \; ^\circ C \; Set$$

FAN   ⏻ ⚙   MODE

⚙ (Press and hold)
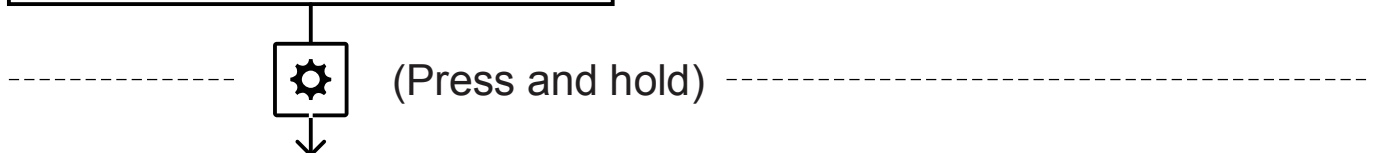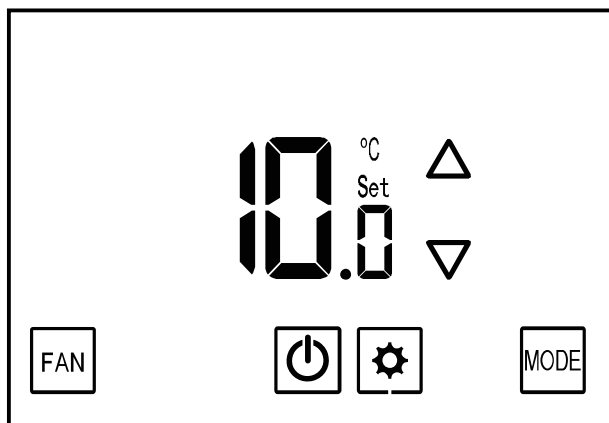
P1   Temperature readings

      calibration offset

- Use the ▽ and △ buttons to

 adjust the offset

- Range: -6ºC…+6ºC, default 0ºC

P2   Enable/Disable screen

      dimming

- Using the ▽ and △ buttons,

 select between:

 00 – Disable screen dimming

 01 – Enable dimming (default)

      If no key is pressed, during

      the time set in parameter P3,

      the display will dim

Go to last parameter   FAN   MODE (Advance)

P 1
00.0 ºC Set △ ▽
FAN ⏻ ✿ MODE

(Return) FAN   MODE (Advance)

P2
01 △ ▽
FAN ⏻ ✿ MODE

(Return) FAN   MODE (Advance)
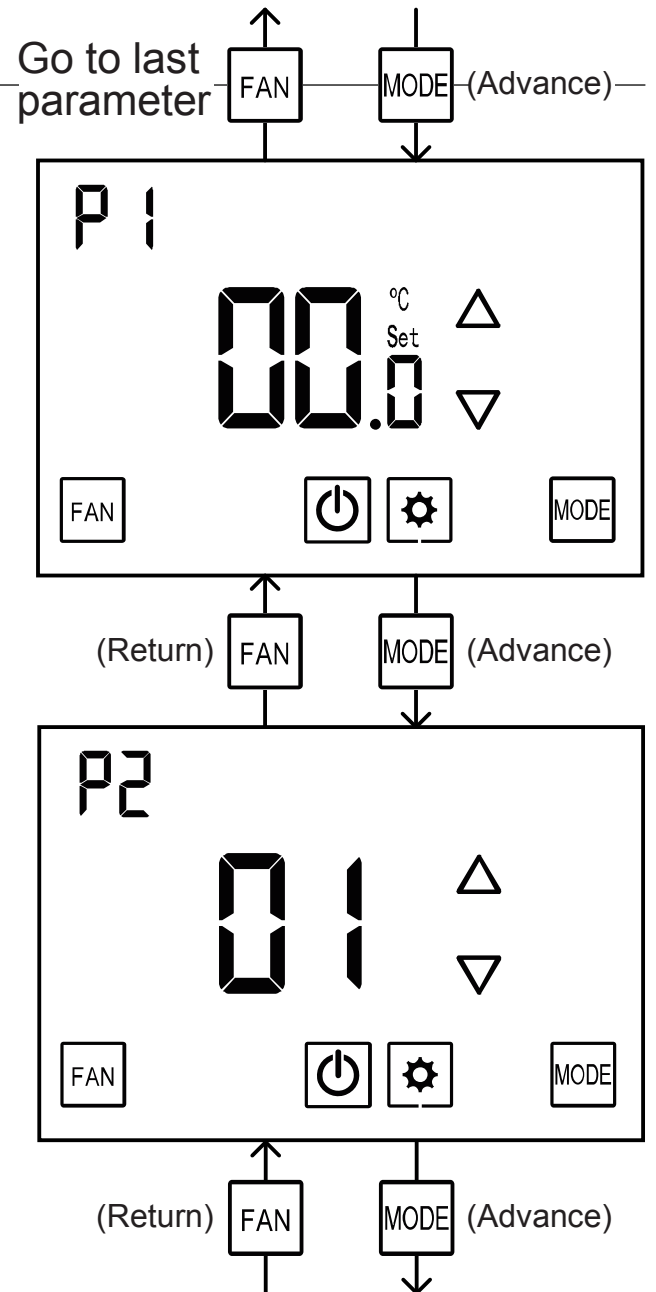
5. Technician settings (cont')

P3   Screen dimming time delay
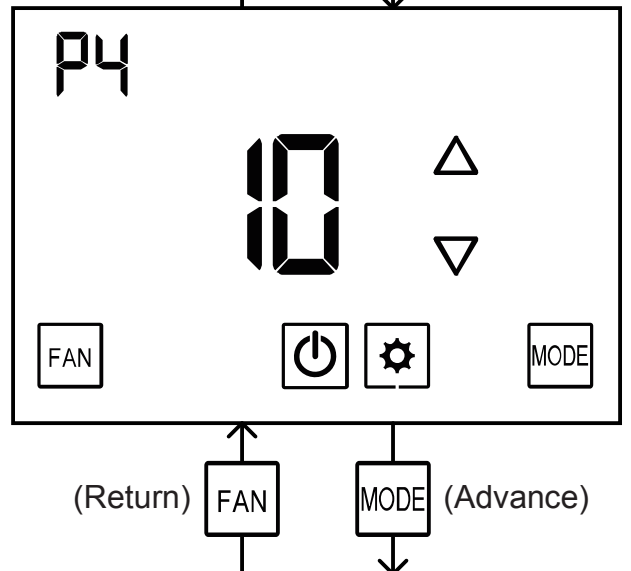
- Using the ▽ and △ buttons, adjust the time delay before the screen will dim

- Range: 0...99 sec., default: 5 sec.

P3

05   △
        ▽
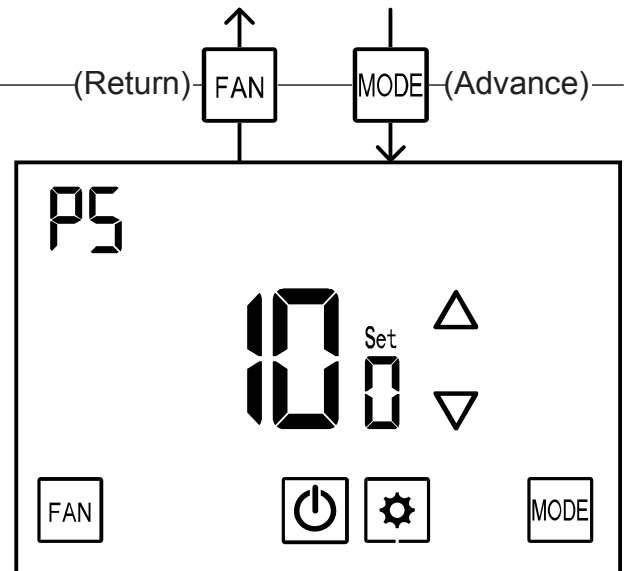
FAN   ⏻ ⚙   MODE
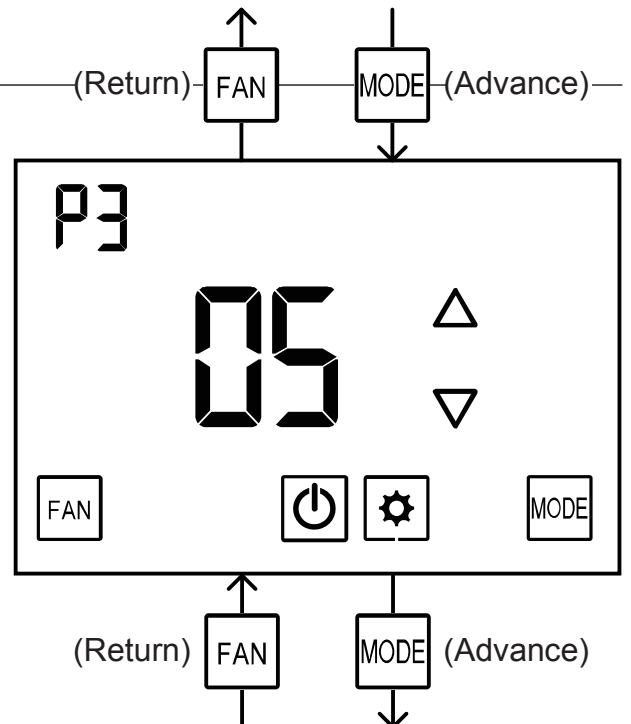
P4   Dimming percentage value

- Using the ▽ and △ buttons, adjust the dimming percentage value

- Range: 10...90%, default: 10%

P4

10   △
        ▽

FAN   ⏻ ⚙   MODE

5. Technician settings (cont')
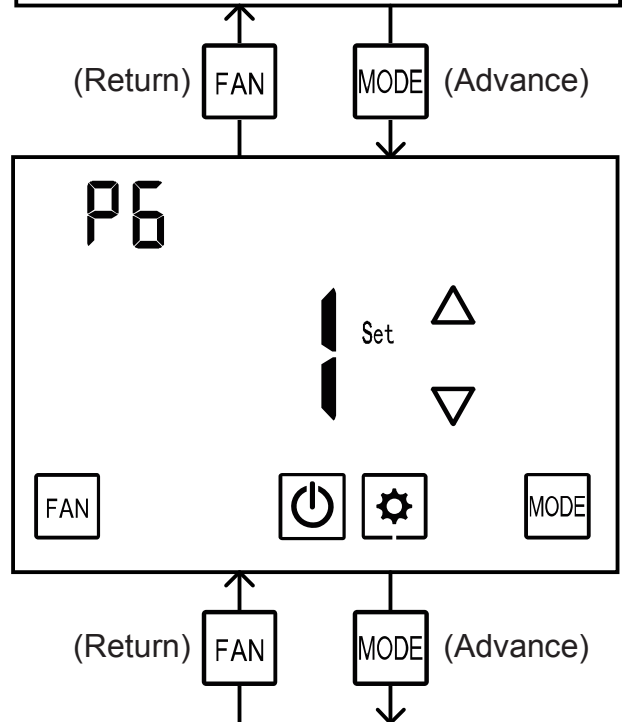
P5   Display brightness

- Using the ▽ and △ buttons,

  adjust the time display brightness

- Range: 50...100%, default: 100%

P6   Show/Hide lighting button

- Using the ▽ and △ buttons,

  select between:

  0 – Hide the lighting button

  1 – Show the lighting button

    (default)

Note: the lighting button will only be

    available with some CTU

    types. It will never appear on

    display when the CTU does
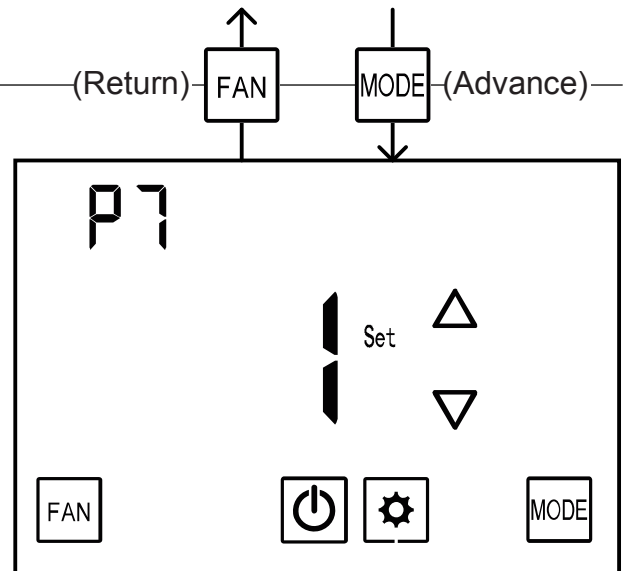
    not support the lighting feature

(Return) FAN   MODE (Advance)

(Return) FAN   MODE (Advance)

(Return) FAN   MODE (Advance)

P5

Set

FAN ⏻ ✿ MODE

P6

Set

FAN ⏻ ✿ MODE

5. Technician settings (cont')

FAN MODE

P7   Enable/Disable the beeper

- Using the ▽ and △ buttons,

select between:

0 – Disable the beeper

1 – Make the panel beep

whenever a button is pressed

P7

| Set △ ▽ |

FAN ⏻ ✿ MODE

Press the MODE **button to**

return to parameter P1.

Press the ⏻ **button or wait**

60 seconds to exit technician

settings mode and return to

normal display.

Important! Reset the set-point temperature to the desired value

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