Touch Screen Thermostat

MTSC/SUPER/CO2, MTSC24/SUPER/CO2 Series

MTS/SUPER/CO2, MTS24/SUPER/CO2 Series

Owner's manual and technician settings

meitav-tec

Rev. 2.4

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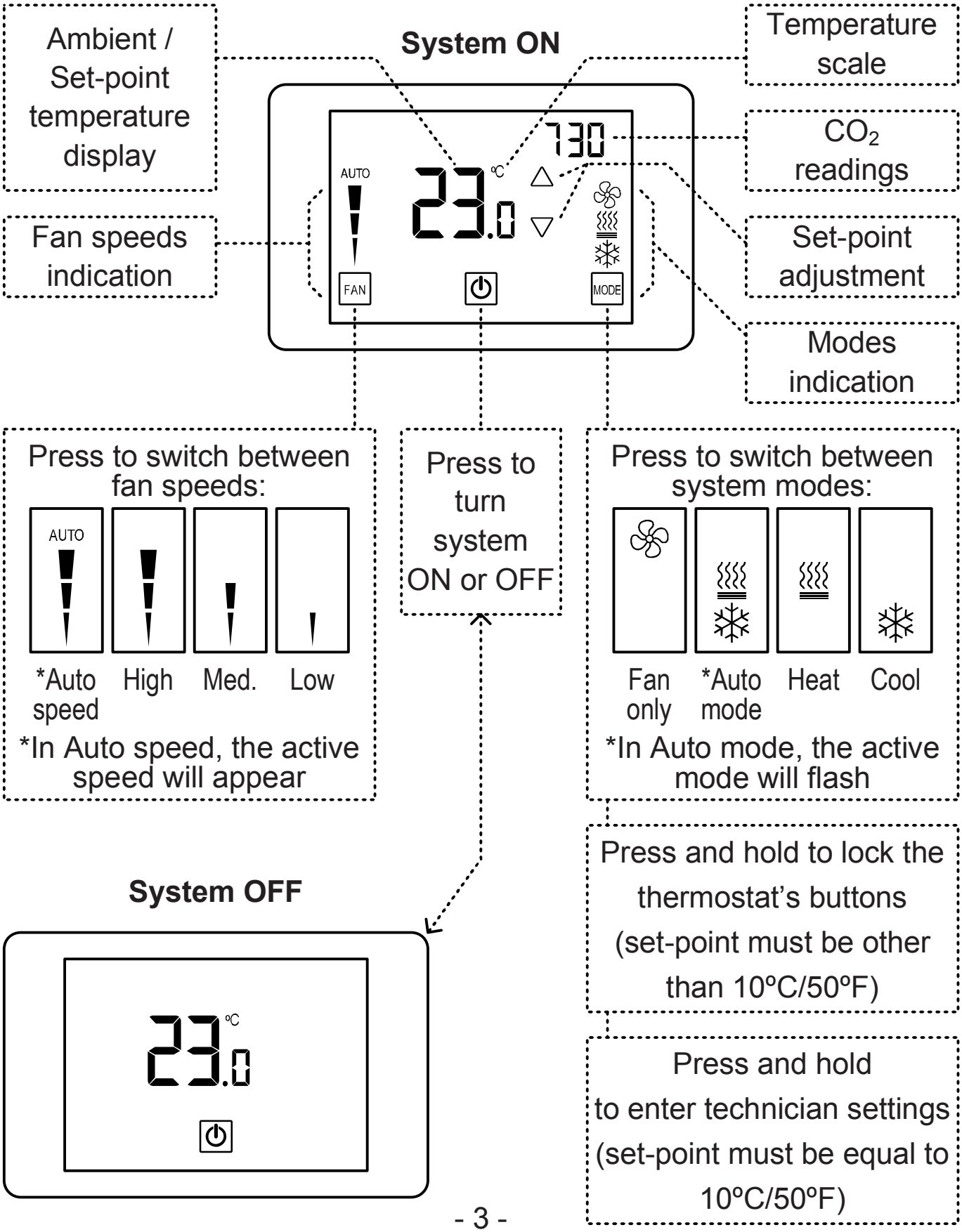
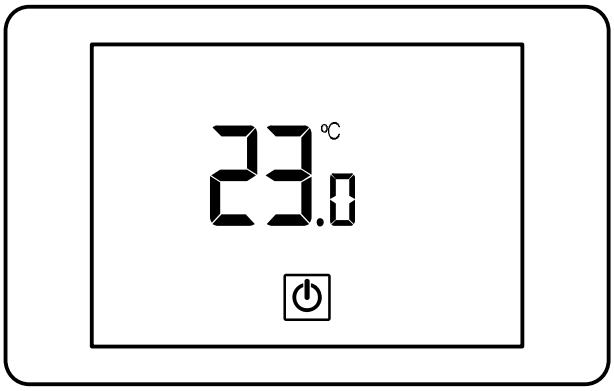
1. Owner's manual

1.1 Quick Guide

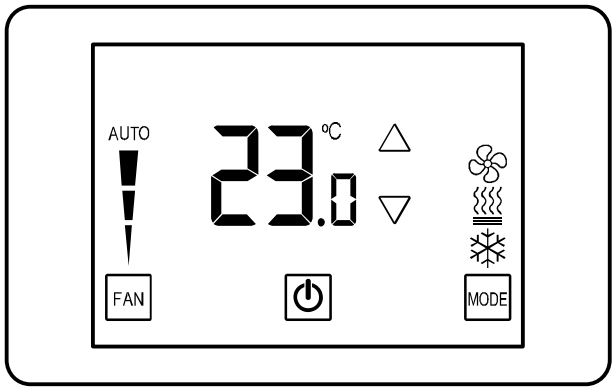


1.2 Turning the unit ON or OFF

- 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

1.3 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.

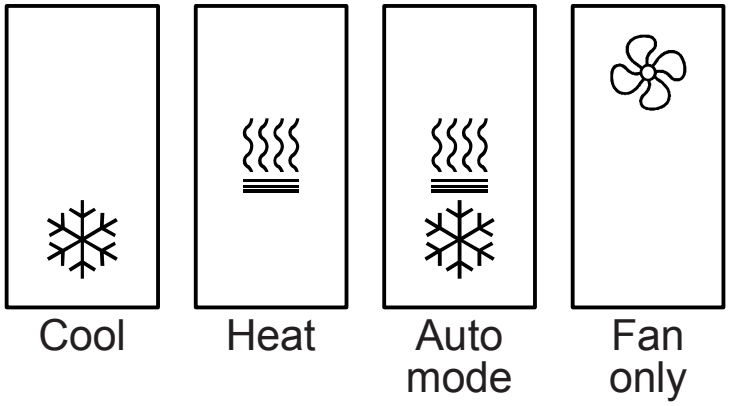
1.4 Switching between temperature scales

- Press and hold the ☼ button to switch between temperature scales.

Note: set-point must be other than 10ºC,11ºC/50ºF,51ºF

1.5 Switching between system modes

- Press the MODE button to switch between system modes:



Notes:

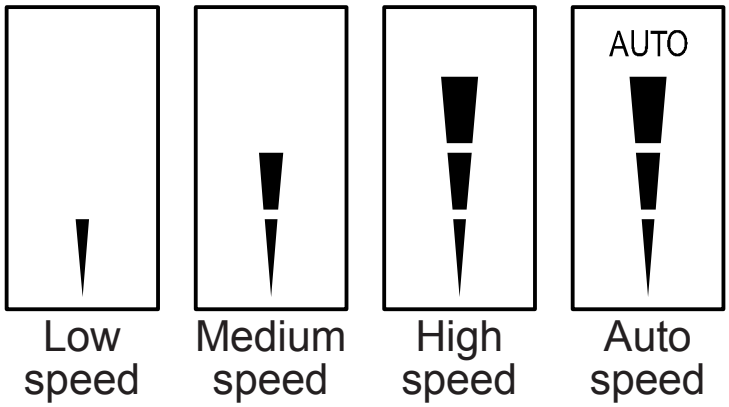
- During demand for cooling (cooling active), the ❄ will flash.
- During demand for heating (heating active), the ≋ will flash.

The selection of system modes may be disabled depending on system configuration.

1.6 Switching between fan speeds

- Press the FAN button to switch between fan speeds:

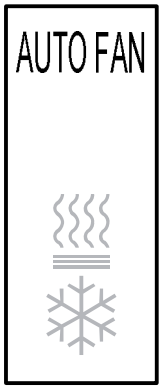
Note: When Auto speed Is selected, the word “AUTO” and the active fan speed will appear on display



The selection of fan speeds may be disabled depending on system configuration.

1.7 Fan on demand (Auto fan)

- Press and hold the FAN button to activate or deactivate fan on demand (Auto fan) function.



AUTO FAN active

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 system configuration.

1.8 Lock the thermostat’s buttons

- Press and hold the MODE button to lock or unlock the thermostat’s buttons. When locked, the icon will appear on display.

1.9 Timer for turning the thermostat off

- Press and hold the button – the hours for the off-timer will appear on display. Adjust the timer using the ▽ and △ buttos.

  Range: 0...10 Hours

  Note: Set “0” to disable the timer.

1.10 Economy mode indications E1 – E6

- Economy mode can be activated by triggering a window contact, door switch, key-tag or PIR sensor.
- When Economy mode is active, the thermostat will either turn off or use special economy set points for cooling and heating set by technician.

  Please refer to parameters P25 and P26 in the technician setting section of this manual.
- The following indications will appear on display:
  - **E1** – Economy mode triggered by window contact
  - **E2** – Economy mode triggered by PIR (occupancy sensor)
  - **E4** – Economy mode triggered by door switch or key-tag
  - **E5** – OFF state triggered by door switch or key-tag
  - **E6** – Valves OFF and Fan low triggered by door switch or key-tag

1.11 Freeze protection

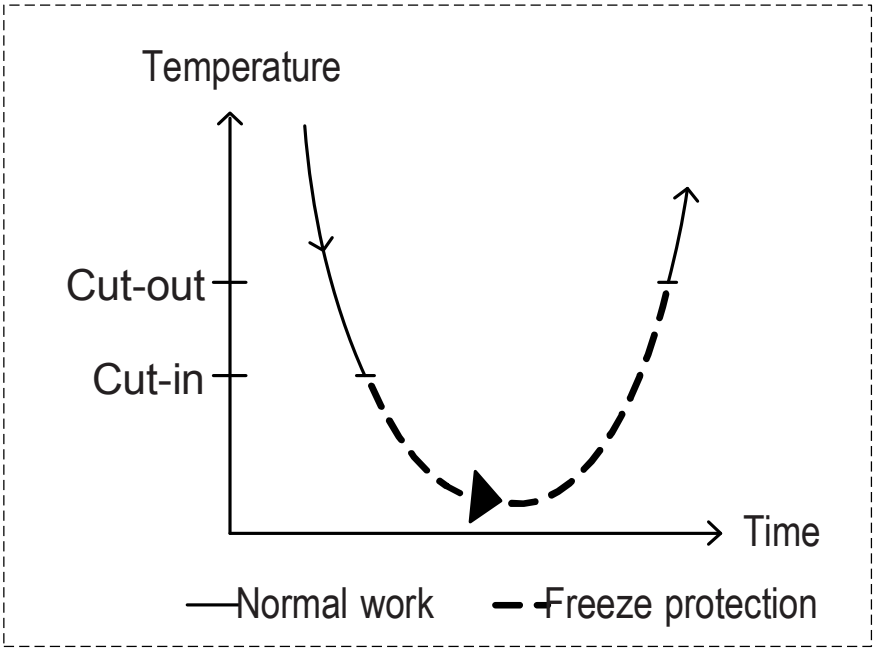
The Freeze protection feature will not allow the room temperature to drop below predefined cut-in temperature. Depending on which configuration the system is operating under (with or without Heat pump) this feature will force the system to operate in heat mode and activate the fan.

This feature will take effect when the thermostat is either ON or OFF.

When the room temperature rises above the predefined cut-out temperature, the thermostat will return to its previous state.

When freeze protection is activated, the display alternates between "AL" and room temperature.

For selection of cut-in and cut-out temperatures, please refer to technician settings parameters P36 and P37.



1.12 Fresh air and CO_2 monitoring

The thermostat continuously monitors the ambient CO_2 level using the built in CO_2 sensor and compares the readings to the CO_2 set-point. When the ambient CO_2 level rises above the set-point, the fresh air damper will open to bring in fresh air.
Additionally, when the ambient CO_2 level exceed the high limit alarm, an indication will appear on the display.
The values of the CO_2 set-point and high limit alarm, together with other CO_2 parameters are set by technician.
Please refer to parameters P180-P185 in the technician setting section.

All CO_2 parameters and readings can be monitored through BMS and optionally trigger other air handling devices to take action.

The CO_2 ambient reading can either be displayed constantly or hidden by setting either “0” or “1” to technician parameter P180.

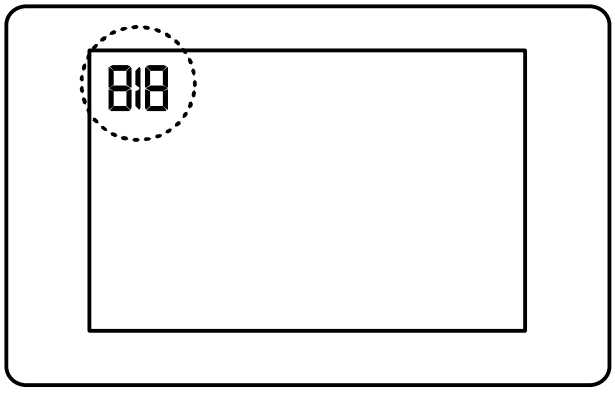
Important: Please allow 12 hours of operation from initial power up, before reading a reliable CO_2 value.

Alarms indications may appear on the top left side of the display as follows:

C 0 - CO_2 High limit alarm

C10 - CO_2 High limit + filter alarms

FIL - Filter alarm



2. Installation Instructions

The MTS/SUPER/CO2 Thermostat 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.

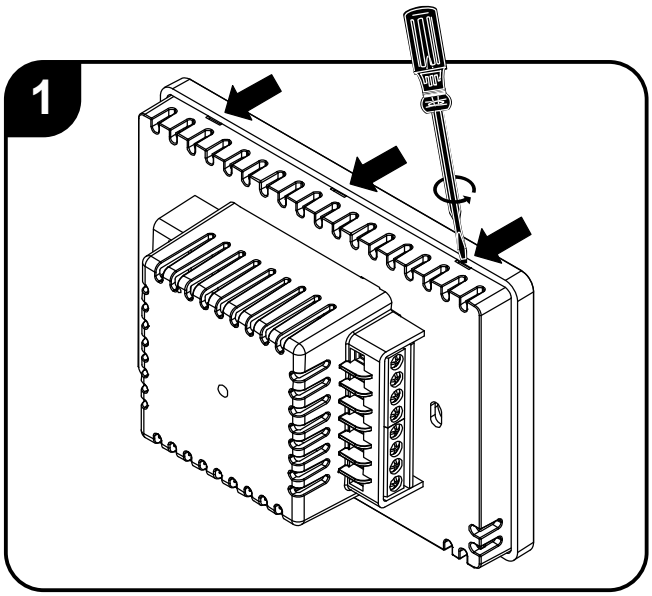
WARNING: The integrated circuits in the controller are sensitive to static currents. Take suitable precautions.

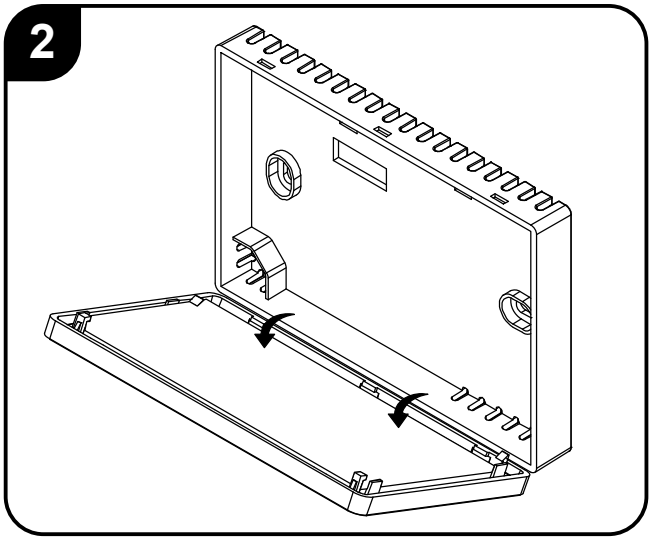
2. Installation Instructions (cont')

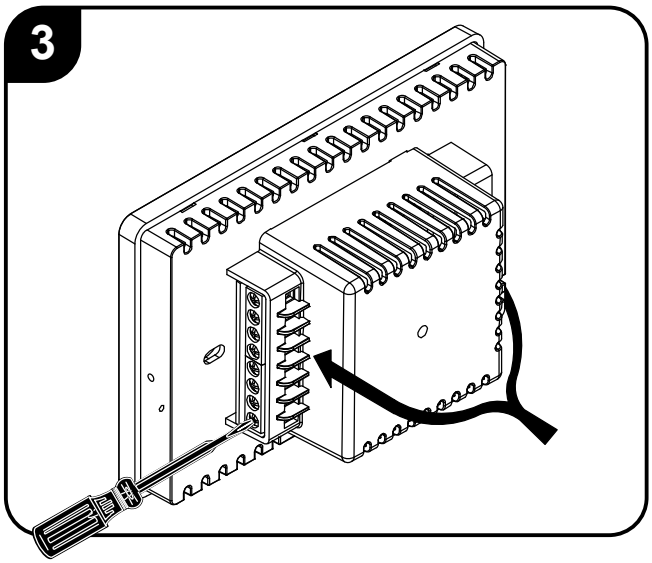
Installation procedure:

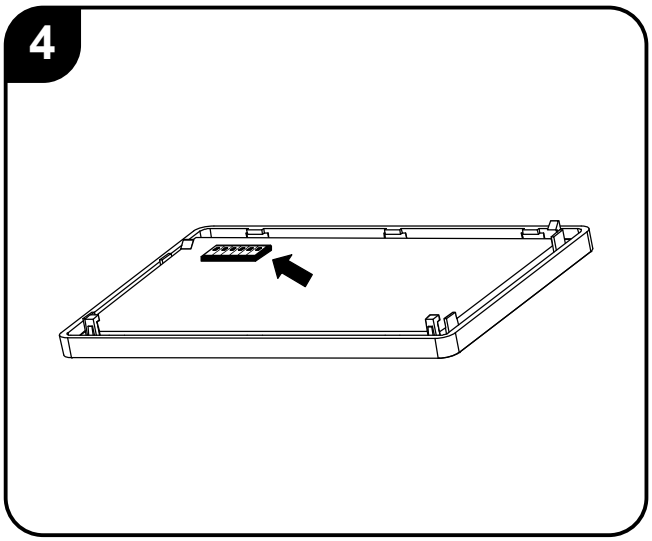
1. separate the front display from the back plastic cover by inserting a a small flat screwdriver into each of the three slots as shown in the picture and rotating it gently.
2. Remove the front display and keep it in a safe place.
3. Connect the wires as shown in the enclosed wiring diagram. All terminals 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 Europe - Gewiss Box - GW 24 203 or similar
   US - Carlon – B114R or similar or similar
6. Adapt the front frame-panel into its place, by pushing it towards the wall.

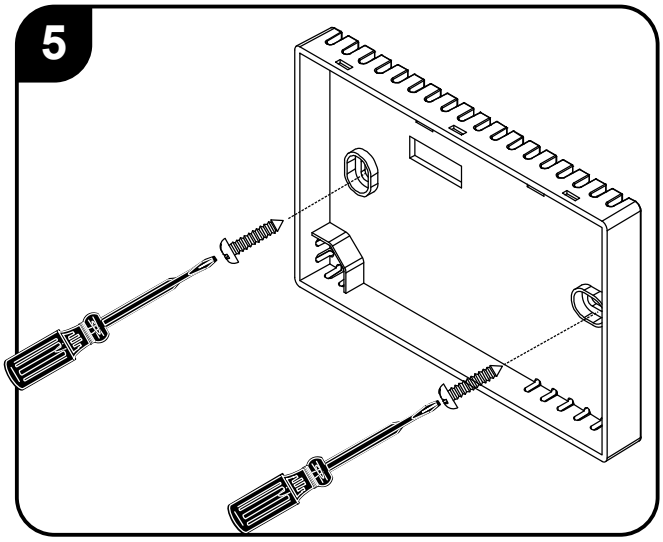
2. Installation Instructions (cont')

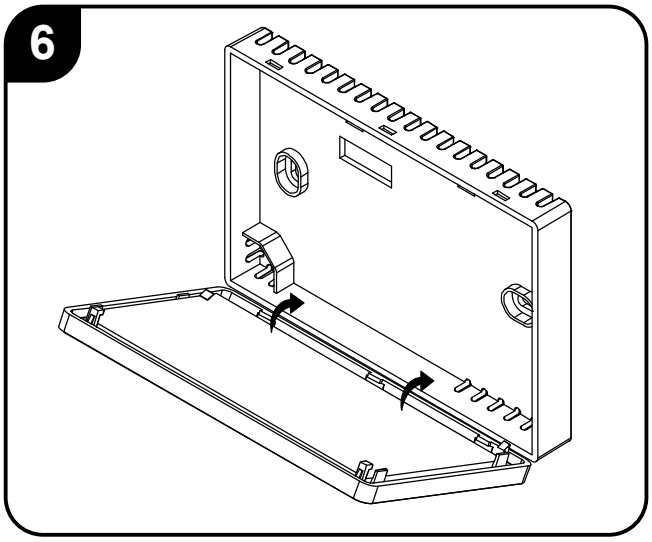




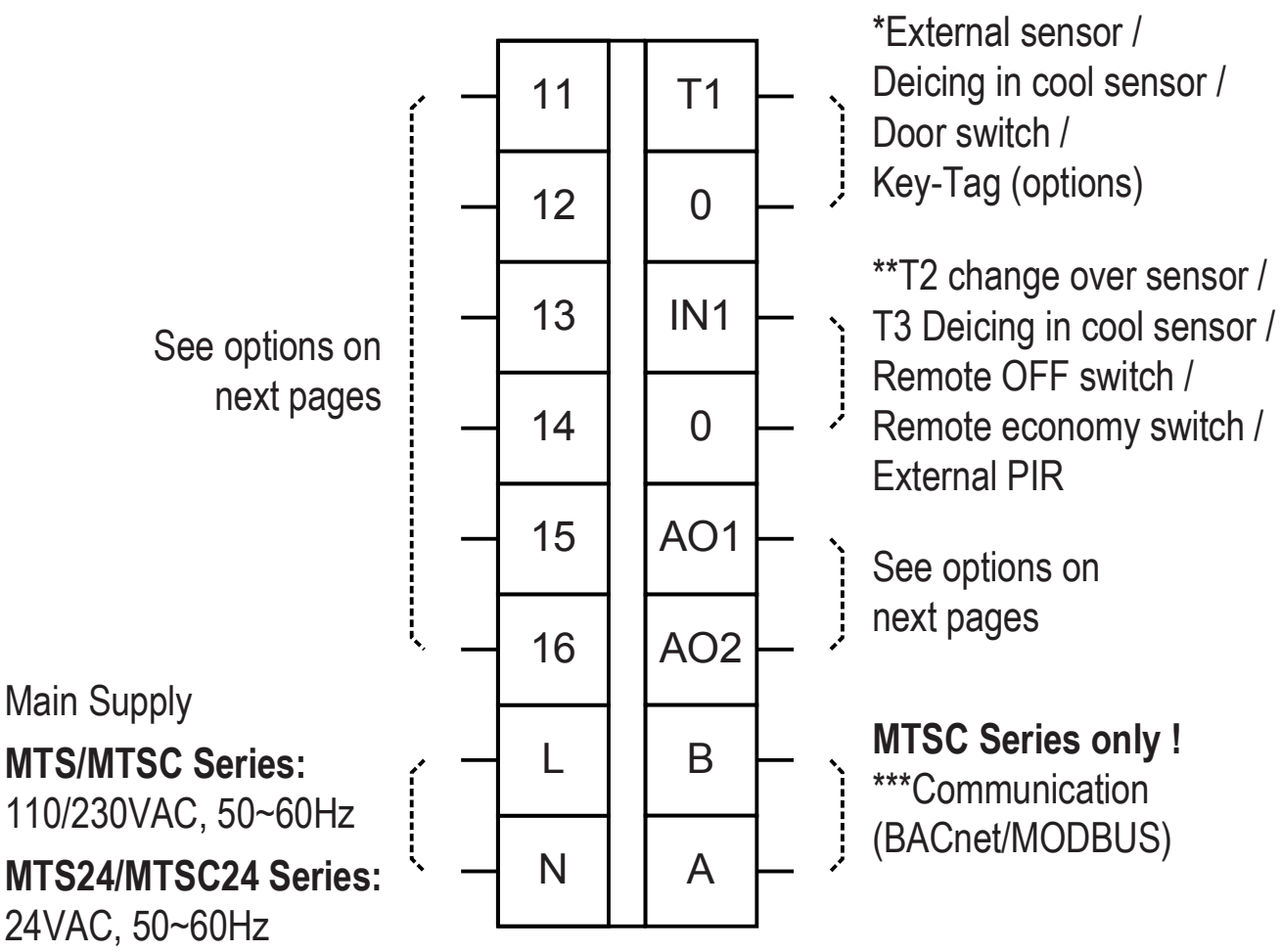








3. Wiring configuration and DIP Switches



* For T1,0 functionality – refer to parameter P8 in the technician settings section.

** For IN1,0 functionality – refer to parameter P9 in the technician settings section.

***Communication protocol (MTSC Series only) is set by DIP Switch S1.8 as follows:

S1.8 ON – BACnet

S1.8 OFF – MODBUS

Current ratings:

Outputs 11-16	24/110/230VAC - depending on supply voltage,	
	3A maximum each	5A total
Outputs AO1, AO2	0-10VDC, 5mA	

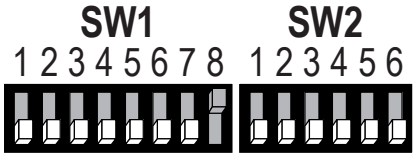
3. Wiring configuration and DIP Switches – AC systems

11	12	13	14	15	16	AO1	AO2

HC31/HC32, 1-Speed fan							
Heat 3	Heat 2	Fan	Comp.2 Light FAD on/off	Comp.1	Heat 1	FAD prop.	X

HP31/HP42, 1-Speed fan							
Heat 2	Heat 1	Fan	Comp.2 Light FAD on/off	Comp.1	Heat pump*	FAD prop.	X

HP22, 3-Speed fan							
Fan high	Fan med	Fan low	Comp.2	Comp.1	Heat pump*	FAD prop.	X



HP11 / HP21, 3-Speed fan							
Fan high	Fan med	Fan low	Heat Light FAD on/off	Comp.1	Heat pump*	FAD prop.	X X X

Fan on/off: 24/110/230VAC, 3A max.
Control - Heat elements, Heat pump, Compressors: 24/110/230VAC, 0.3A max.

MTSC Series: SW1.8 = Communication Protocol: ON – BACnet, OFF – MODBUS

SW1.4 = HP: ON – Heat pump active in cool, OFF – Heat pump active in heat
HC: ON – Electrical heater, OFF – Oil/Gas heater (no fan)
SW1.5 = ON: Disable compressor delay, OFF – Enable compressor delay

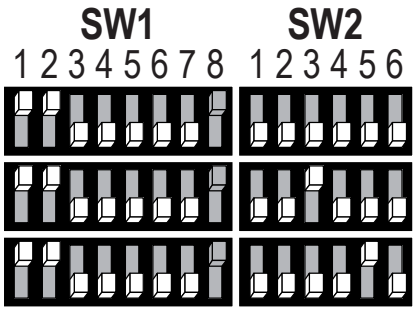
HP - Heat pump system **HC** - Non heat pump system **##** - Heating/Cooling stages

3. Wiring configuration and DIP Switches – AC systems

11	12	13	14	15	16	AO1	AO2

HC11/HC21, 3-Speed fan							
Fan high	Fan medium	Fan low	Heat 2 Light FAD on/off	Comp.	Heat 1	FAD prop.	X

HP11/HP22, 3-Speed fan (proportional) / Fan VFS							
Fan high	Fan medium	Fan low	Comp.2 Light FAD on/off	Comp.1	Heat pump*	FAD prop.	Fan VFS



HP21, 3-Speed fan (proportional) / Fan VFS							
Fan high	Fan medium	Fan low	Heat	Comp.1	Heat pump*	FAD prop.	Fan VFS

HC11/HC21, 3-Speed fan (proportional) / Fan VFS							
Fan high	Fan medium	Fan low	Heat 2 Light FAD on/off	Comp.1	Heat 1	FAD prop.	Fan VFS

Fan on/off: 24/110/230VAC, 3A max.
Control - Heat elements, Heat pump, Compressors: 24/110/230VAC, 0.3A max.

MTSC Series: SW1.8 = Communication Protocol: ON – BACnet, OFF – MODBUS

SW1.4 = HP: ON – Heat pump active in cool, OFF – Heat pump active in heat
HC: ON – Electrical heater, OFF – Oil/Gas heater (no fan)
SW1.5 = ON: Disable compressor delay, OFF – Enable compressor delay

HP - Heat pump system **HC** - Non heat pump system **##** - Heating/Cooling stages

3. Wiring configuration and DIP Switches – 2-Pipe FC systems

11	12	13	14	15	16	AO1	AO2

2-Pipe, 3-Speed fan							
Fan high	Fan medium	Fan low	Heat element Light FAD on/off	Cool/Heat valve	X	FAD prop.	X

2-Pipe, 3-Speed fan, Cool/Heat valve PID							
Fan high	Fan medium	Fan low	Heat element Light FAD on/off	X	X	FAD prop.	Cool/Heat valve PID

2-Pipe, 3-Speed fan (proportional) / Fan VFS							
Fan high	Fan medium	Fan low	Heat element Light FAD on/off	Cool/Heat valve	X	FAD prop.	Fan VFS

2-Pipe, 3-Speed fan (proportional) / Fan VFS, Cool/Heat valve PID							
Fan high	Fan medium	Fan low	Heat element Light FAD on/off	X	X	Cool/Heat valve PID	Fan VFS

Fan on/off: 24/110/230VAC, 3A max.
Fan VFS, PID valves: 0-10VDC. 5mA Not isolated
Control - Heat el., Cool/Heat valves, Light, Damper on/off: 24/110/230VAC, 0.3A max.

MTSC Series: SW1.8 = Communication Protocol: ON – BACnet, OFF – MODBUS

SW1.4 = Enable/Disable 2nd heating stage: ON – Enable, OFF – Disable

3. Wiring configuration and DIP Switches – 4-Pipe FC systems

11	12	13	14	15	16	AO1	AO2

4-Pipe, 3-Speed fan							
Fan high	Fan medium	Fan low	Heat element Light FAD on/off	Cool valve	Heat valve	FAD prop.	X

4-Pipe, 3-Speed fan, Cool valve PID							
Fan high	Fan medium	Fan low	Heat element Light FAD on/off	X	Heat valve	FAD prop.	Cool valve PID

4-Pipe, 3-Speed fan, Heat valve PID							
Fan high	Fan medium	Fan low	Heat element Light FAD on/off	Cool valve	X	FAD prop.	Heat valve PID

4-Pipe, 3-Speed fan, Cool valve PID, Heat valve PID							
Fan high	Fan medium	Fan low	Heat element Light FAD on/off	X	X	Cool valve PID	Heat valve PID

Fan on/off: 24/110/230VAC, 3A max.
Fan VFS, PID valves: 0-10VDC. 5mA Not isolated
Control - Heat el., Cool/Heat valves, Light, Damper on/off: 24/110/230VAC, 0.3A max.

MTSC Series: SW1.8 = Communication Protocol: ON – BACnet, OFF – MODBUS

SW1.4 = Enable/Disable 2nd heating stage: ON – Enable, OFF – Disable

3. Wiring configuration and DIP Switches – 4-Pipe FC systems

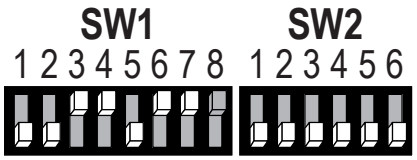
11	12	13	14	15	16	AO1	AO2

4-Pipe, 3-Speed fan (proportional) / Fan VFS							
Fan high	Fan medium	Fan low	Heat element Light FAD on/off	Cool valve	Heat valve	FAD prop.	Fan VFS

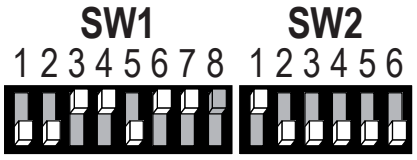
4-Pipe, 3-Speed fan (proportional) / Fan VFS, Cool valve PID							
Fan high	Fan medium	Fan low	Heat element Light FAD on/off	X	Heat valve	Cool valve PID	Fan VFS

4-Pipe, 3-Speed fan (proportional) / Fan VFS, Heat valve PID							
Fan high	Fan medium	Fan low	Heat element Light FAD on/off	Cool valve	X	Heat valve PID	Fan VFS

Floor heating (1st stg. heat without fan), 4-Pipe, 3-Speed fan							
Fan high	Fan medium	Fan low	Floor heating	Cool valve	Heat valve	FAD prop.	X



Floor heating (1st stg. heat without fan), 4-Pipe, 3-Speed fan, Cool valve PID							
Fan high	Fan medium	Fan low	Floor heating	X	Heat valve	FAD prop.	Cool valve PID



Fan on/off: 24/110/230VAC, 3A max.
Fan VFS, PID valves: 0-10VDC. 5mA Not isolated
Control - Heat el., Cool/Heat valves, Light, Damper on/off: 24/110/230VAC, 0.3A max.

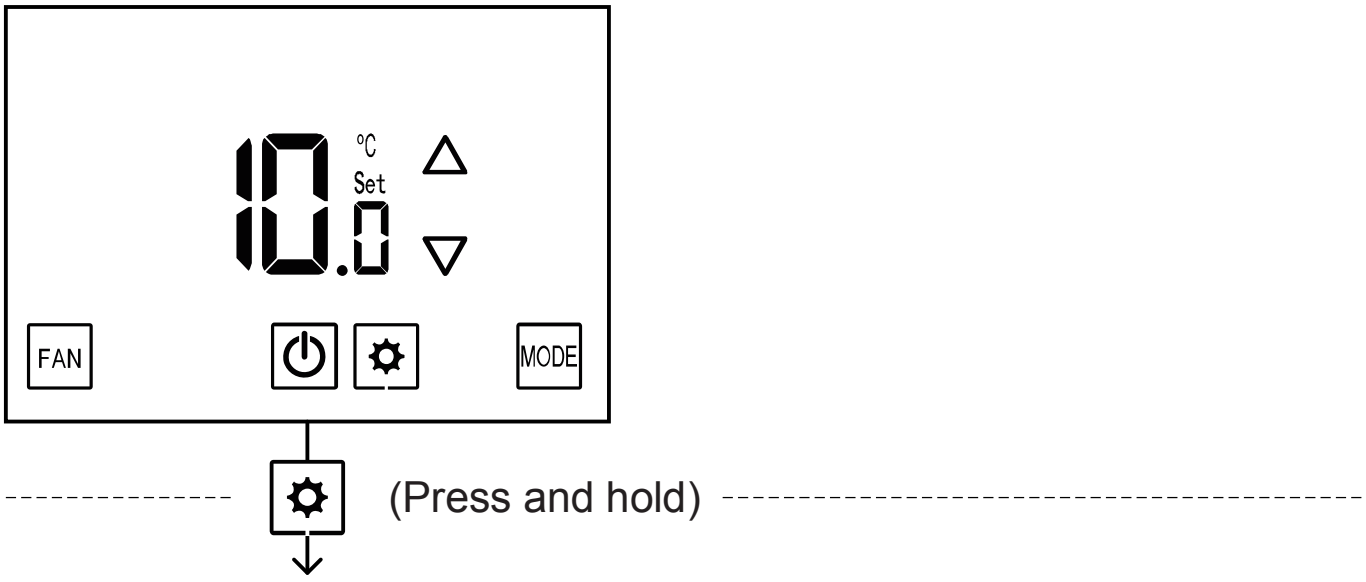
MTSC Series: SW1.8 = Communication Protocol: ON – BACnet, OFF – MODBUS

SW1.4 = Enable/Disable 2nd heating stage: ON – Enable, OFF – Disable

4. Technician Settings

Enter technician settings

- Adjust the set-point temperature to 10ºC.
- 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.



Note: The displayed parameters may depend on system configuration

4. Technician settings (cont')

P1 – Offset for temperature readings calibration

Range: -6…+6°C / -9…+9°F.

Default: 0°C / 0°F.

P2 – Set point limit for cooling

Range: 5…35°C / 41…90°F.

Default: 5°C / 35°F.

P3 – Set point limit for heating

Range: 5…35°C / 41…95°F.

Default: 35°C / 95°F.

P4 – Lock the [Fan] button

"01" - [Fan] button Locked

"00" - [Fan] button unlocked

P5 – Lock the [Mode] button

"01" - [Mode] button Locked

"00" - [Mode] button unlocked (default)

P6 – Lock the [On/Off] button

"01" - [On/Off] button Locked

"00" - [On/Off] button unlocked (default)

P7 – Lock the [+] and [-] buttons (Set buttons)

"01" - [+] and [-] buttons Locked

"00" - [+] and [-] buttons unlocked (default)

P8 – Functionality of T1 terminals

"00" - T1 terminals are not in use (default)

"01" - External sensor

"02" - T3 - Deicing in cool (AC)

"03" - Door switch*

"04" - Key-tag*

*Voltage free contacts - for polarity and time delay – see technician parameters P12 and P13

P9 – Functionality of IN1,0 terminals

"00" - IN1,0 terminals are not in use (default)

"01" - T2 (Change over sensor)
In Cool only configuration, select "01" and leave contact open.

"02" - T3 - Deicing in cool (AC)

"03" - Voltage free contact - Remote On/Off**

"04" - Voltage free contact - Remote Economy**

"05" - External Passive Infrared detector (PIR)

**Voltage free contacts - for polarity and time delay – see technician parameters P10 and P11

P10 – Polarity of remote switch contact on terminals IN,0 (P09 = "03" or "04")

"00" - Normally close (default)

"01" - Normally open

P11 – Time delay of remote switch contact on terminals IN,0 (P09 = "03" or "04")

Range: 0…999 seconds.

Default: 600 seconds.

P12 – Polarity of door switch/key-tag contact on terminals T1,0 (P08 = "03" or "04")

"00" - Normally close (default)

"01" - Normally open

P13 – Door switch / Door key-tag delay time

Range: 0…999 seconds

Default: 180 seconds

P14 – Enable/Disable Auto change over mode

"00" - Disable Auto change over mode

"01" - Enable Auto change over mode (default)

P15 – Occupancy sensor logic (PIR)

"00" - Thermostat turns off when unoccupied and back on when re-occupied

"01" - Thermostat turns off when unoccupied and remains off when re-occupied

"02" - Thermostat uses economy set points (default)

P16 – Enable/Disable Occupancy sensor

"00" - Disable
"01" - Enable (default)

P17 – PIR (occupancy sensor) delay time before switching to unoccupied mode (ON delay)

Range: 0…250 minutes, Default: 20 minutes

P18 – Door switch/key-tag logic

"00" - Thermostat turns off when unoccupied and back on when re-occupied.
"01" - Thermostat uses economy set points when unoccupied.
"02" - Valves turn OFF and fan running on low speed when unoccupied.

P19 – PIR (Occupancy sensor) polarity

"00" - Normally open (default)
"01" - Normally close

P25 – Economy set point for cooling

Range: 5…35°C / 41…90°F
Default: 30°C / 86°F

P26 – Economy set point for heating

Range: 5…35°C / 41…90°F
Default: 10°C / 50°F

P27 – Time on-delay between heating stages

Range: 0…600 seconds

Default: 5 seconds

P28 – Time off-delay between heating stages

Range: 0…600 seconds

Default: 1 seconds

P30 – Beeper ON or OFF

"01" - Beeper ON (default)

"00" - Beeper OFF

P31 – Fan ON delay in cooling (seconds) (FC only!)

Range: 0…120 seconds

Default: 0 seconds (no delay)

P32 – Fan OFF delay in cooling (seconds)

Range: 0…120 seconds

Default: 0 seconds (no delay)

P33 – Fan ON delay in heating (seconds) (FC only!)

Range: 0…120 seconds

Default: 0 seconds (no delay)

P34 – Fan OFF delay in heating (seconds)

Range: 0…120 seconds

Default: 30 seconds

---

4. Technician settings (cont')

P35 – Enable/Disable Freeze protection

"01" - Enable freeze protection (default)

"00" - Disable freeze protection

P36 – Freeze protection cut-in set point

Range: 8...15°C / 46…59°F

Default: 8°C / 46°F

P37 – Freeze protection cut-out set point

Range: 10...17°C / 50…63°F

Default: 10°C / 50°F

P40 – View filter counter (hours) – Read only

Range: 0…999 hours

P41 – Reset filter time

"00" - No action - keep counting (default)

"01" - Reset filter counter

P42 – Adjust filter alarm delay time counter (hours)

Range: 0…999 hours

Default: 0 hours (0 = Disable)

P43 – Not in use

P44 – Not in use

P45 – Cool differential band (On/Off)
Range: 0...5°C / 0…10°F
Default: 1°C / 2°F

P46 – Cool differential band offset
Range: 0...5°C / 0…10°F
Default: 0°C / 0°F

P47 – Heat differential band (On/Off)
Range: 0...5°C / 0…10°F
Default: 1°C / 2°F

P48 – Heat differential band offset
Range: -5...0°C / -10…0°F
Default: 0°C / 0°F

P49 – Shift between Cool and Heat in Auto change over mode
Range: 0...10°C / 0…20°F
Default: 2°C / 4°F

P50 – Shift between Cooling stages (AC only!)
Range: 0...10°C / 0…20°F
Default: 2°C / 4°F

P51 – Shift between Heating stages
Range: 0...10°C / 0…20°F
Default: 2°C / 4°F

P52 – Cool proportional band (FC only!)
Range: 2...10°C / 4…20°F
Default: 2°C / 4°F

P53 – Cool proportional low limit (FC only!)
Range: 0...100%
Default: 0%

P54 – Cool proportional high limit (FC only!)
Range: 0...100%
Default: 100%

P55 – Heat proportional band (FC only!)
Range: 2...10°C / 4…20°F
Default: 2°C / 4°F

P56 – Heat proportional low limit (FC only!)
Range: 0...100%
Default: 0%

P57 – Heat proportional high limit (FC only!)
Range: 0...100%
Default: 100%

P60 – Proportional ON percent (FC only!)
Range: 0...30%
Default: 30%

P61 – Proportional OFF percent (FC only!)
Range: 0...20%
Default: 10%

P63 – Time on-delay between cooling stages (AC only!)
Range: 0…600 seconds
Default: 5 seconds

P64 – Time off-delay between cooling stages (AC only!)
Range: 0…600 seconds
Default: 1 seconds

P65 – Fan VFS proportional band in cooling
Range: 2...10°C / 4…20°F
Default: 2°C / 4°F

P66 – Fan VFS proportional band in heating
Range: 2...10°C / 4…20°F
Default: 2°C / 4°F

P67 – Fan VFS Low speed percent in cooling
Range: 0...30%
Default: 20%

P68 – Fan VFS Medium speed percent in cooling
Range: 30...60%
Default: 50%

P69 – Fan VFS High speed percent in cooling
Range: 60...100%
Default: 90%

P70 – Fan VFS Low speed percent in heating
Range: 0...30%
Default: 30%

P71 – Fan VFS Medium speed percent in heating
Range: 30...60%
Default: 50%

P72 – Fan VFS High speed percent in heating
Range: 60...100%
Default: 80%

P74 – VFS Medium speed differential
Range: 10...50%
Default: 35

P75 – VFS High speed differential
Range: 10...50%
Default: 35

P76 – Fan VFS Low limit in cooling
Range: 0...100%
Default: 0%

P77 – Fan VFS High limit in cooling
Range: 0...100%
Default: 100%

P78 – Fan VFS Low limit in heating
Range: 0...100%
Default: 0%

P79 – Fan VFS High limit in heating
Range: 0...100%
Default: 100%

P83 – View T2 temperature sensor readings
Note: If T2 is not connected, -9.8°C / -9.8°F will appear on display

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P84 – View T3 temperature sensor readings
Note: If T3 is not connected, -9.8°C / -9.8°F will appear on display

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P85 – Deice in cool – cut-in temperature (AC only!)
Range: -20...99°C
Default: 0°C

P86 – Deice in cool – cut-out temperature (AC only!)
Range: -20...99°C
Default: 8°C

P87 – Deice in heat time (AC only!)
Range: 120...420 Seconds
Default: 300 Seconds

P88 – Deice in heat break time (AC only!)
Range: 600...1800 Seconds
Default: 1500 Seconds

P89 – Deice in heat – cut-in temperature (AC only!)
Range: -20...99°C
Default: 0°C

P90 – Deice in heat – cut-out temperature (AC only!)
Range: -20...99°C
Default: 16°C

P91 – Compressor delay (AC only!)
Range: 0...360 Seconds
Default: 10 Seconds

P99 – One or Two set points (for cool and for heat) (FC only!)
"00" - One set point for cooling and heating (default)
"01" - two set points – one for cool and one for heat

P100 – Enable/Disable Screen dimming

"00" - Disable

"01" - Enable (default)

P101 – Screen dimming delay

Range: 0...99 minutes

Default: 5 minutes

P102 – Dimming percentage value

Range: 1,5,10...90%

Default: 10%

P105 – Display brightness

Range: 50...100%

Default: 100%

P114 – Cool PID Kp (FC only!)

Range: 0...100%

Default: 100%

P115 – Heat PID Kp (FC only!)

Range: 0...100%

Default: 100%

P116 – Cool PID Ki (FC only!)

Range: 0...100%

Default: 0%

P117 – Heat PID Ki (FC only!)

Range: 0...100%

Default: 0%

P118 – Cool PID Kd (FC only!)

Range: 0...100%

Default: 1%

P119 – Heat PID Kd (FC only!)

Range: 0...100%

Default: 1%

P122 – Cool proportional threshold time (update delay) (FC only!)

Range: 0...100 sec.

Default: 60 sec

P123 – Heat proportional threshold time (update delay) (FC only!)

Range: 0...100 sec.

Default: 60 sec

P180 – Show CO_2 readings on the display

0 – Do not show readings on display

1 – Show readings on display

P181 – CO_2 Reading offset

Range: -500…+500 ppm (display shows value divided by 10)

Default: 0 ppm

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4. Technician settings (cont')

P182 – CO_2 Set point (activate fresh air damper)

Range: 600…2000 ppm (display shows value divided by 10)

Default: 750 ppm

P183 – CO_2 Band

Range: 100…500 ppm (display shows value divided by 10)

Default: 250 ppm

P184 – CO_2 High limit alarm set-point

Range: 600…2500 ppm (display shows value divided by 10)

Default: 1500 ppm

P185 – Display the CO_2 High limit alarm

0 – Do not show indication on display

1 – Show indication on display

P198 – Protocol indication (read only!)

0 - MODBUS

1 - BACnet

P200 – Restore defaults

Press the △ button to restore defaults

Press the ⏻ button twice to return to normal display

Press the MODE button to return to parameter P1 or wait 60 seconds to exit technician settings and return to normal display.

5. MAC Address (MTSC Series only)

Enter MAC Address settings

- Adjust the set-point temperature to 11ºC – the button  will appear on display.
- To enter MAC Address settings, press and hold the  button for 5 seconds.
- Use the ▽ and △ buttons to change the MAC Address. Set “0” for no communication.
- Press the  button to return to normal display.

Comments

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