Wiring Terminals

Compressor 1 (0.5A) — Y1
Fan (0.5A) — G
Compressor 2 (0.5A) — Y2
External sensor — T, T$_0$
Heat 2 (0.5A) — W2
Contact input (N.O.) — IN, 0
Heat 1 (0.5A) — W1
Heat 3 / Heat Pump (0.5A) — W3 / B/O
24VAC — C, R

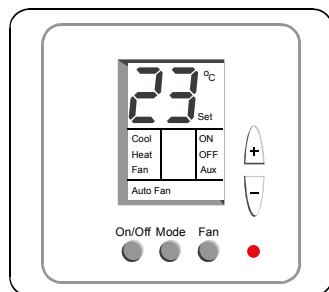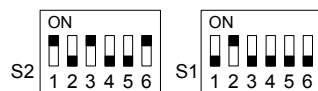| Y1 | G | Y2 | T | T$_0$ | W2 | | IN | 0 | W1 | W3 / B/O | C | R |

DIP Switch configuration:

S2	Temp. sensor		Heat Cool (HC)	Heat Pump (HP)	HP in heat HC Electric	HP in cool HC Oil/Gas	Temperature display	
	Internal	External					Only Tset	Tamb+Tset
S2.1	ON*	OFF	-	-	-	-	-	-
S2.2	OFF*	ON	-	-	-	-	-	-
S2.3	ON*	OFF	-	-	-	-	-	-
S2.4	-	-	OFF*	ON	-	-	-	-
S2.5	-	-	-	-	OFF*	ON	-	-
S2.6	-	-	-	-	-	-	OFF	ON*

S1	System modes		Compressor delay	
	Cool only	All modes	4 minutes	No delay
S1.2	OFF	ON*	-	-
S1.3	-	-	ON	OFF*

[-] Not applicable
[*] Default from factory
S1.1, S1.3, S1.5, S1.6 Always OFF

Default from factory:

ON
S2 1 2 3 4 5 6   S1 1 2 3 4 5 6

Technician Settings:

Set temperature limits and offset

- Press and hold [On/Off] button (7 second) - "50" Will flash on display.
- Using the [+] and [-] buttons adjust the number to "55".

Set limit for cool

- Press the [On/Off] button again – "Cool" will flash on display
- Using the [+] and [-] buttons adjust the set limit for cool (Range 10°C/30°C – default 10°C).

Set limit for heat

- Press the [On/Off] button again – "Heat" will flash on display.
- Using the [+] and [-] buttons adjust the set limit for hear (Range 10°C/30°C – default 30°C).

  Important: The user can change the set temperatures on the display regardless of the limit set, but the thermostat will work by the limit settings.

Set the offset (the offset is used for calibration of the measured temperature)

- Press the [On/Off] button again - "Set" and "°C" flashing will appear on display.
- Adjust set offset using the [+] and [-] buttons (range -6°C/+6°C – default 0°C).

Lock/Unlock the thermostat's buttons

Lock the thermostat's buttons

- Press and hold [On/Off] button (7 second) - "50" Will flash on display.
- Using the [+] and [-] buttons adjust the number to "45".
- Press the [On/Off] button again.
- Press the [+] button to lock the thermostat's buttons.

Unlock the thermostat's buttons

- Press and hold [On/Off] button (7 second) - "50" Will flash on display.
- Using the [+] and [-] buttons adjust the number to "45".
- Press the [On/Off] button again.
- Press the [-] button to unlock the thermostat's buttons.

Important: In Lock button mode, the remote control still can be used to operate the unit.

Set time for filter alert.

- Press and hold [On/Off] button (7 second) - "50" Will flash on display.
- Using the [+] and [-] buttons adjust the number to "80"
- Press the [On/Off] button again – a number will appear on display.
- Set the time for change of filter alert using the [+] and [-] buttons (range 0,100,200…900 hours – default 400 hours). The set time is the displayed number X 10 (i.e. "50" 500 hours, 60 600 hours).

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- When the thermostat reaches the specified time, the display will alternate between "FI" and ambient temperature.
- To cancel the alert, press and hold the "Fan" button (15 seconds).

  Set time to 0 in order to cancel this option.

Contact input

The contact is voltage free (2 terminals), normally open (active when close).
When the contact closes, the thermostat display will alternate between "EC" and ambient temperature.
To remove the alert – fix the problem and the thermostat will automatically return to normal working mode.

When the thermostat is OFF – the Fault input is active but the thermostat will not show any alert. "EC" will appear on display the next time the thermostat turns on.

Operating Manual:

On/Off

- Press the [On/Off] button to activate or deactivate the thermostat - the word "ON" or "OFF" will appear in the display.

Set temperature

- Press the [+] or [-] buttons - the temperature will flash.
- Adjust the set temperature using the [+] or [-] buttons.

Selecting modes

- Press the [Mode] button to switch between the four modes:
  - Cool
  - Heat
  - Cool/heat (auto-change over),
  - Fan only.
  - Emergency heat (selectable in heat mode in Heat Pump type only).
    - Press and hold the [Mode] button (5 seconds) to activate Emergency heat (Heat Elements) and turn the compressor OFF. "Aux" will appear on display.
    - This selection is for cold days when the outside temperature is very low and the Heat Pump is active in heat.
    - To return back to Heat mode press and hold the [Mode] button again (only in Heat mode).

Auto Fan

- Press the [Fan] button to select Auto Fan.
- Press the [Fan] button again to cancel.

In Auto Fan the fan will run only when calling for heat or cool.
Auto Fan is not available in "Fan only" mode.
* In Heat mode, with Oil/Gas heat configuration (i.e., furnace):
  - With Auto Fan - The Fan will never be activated.
  - Without Auto Fan - The Fan will work continuously.

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