



## *ClimaAire I D*

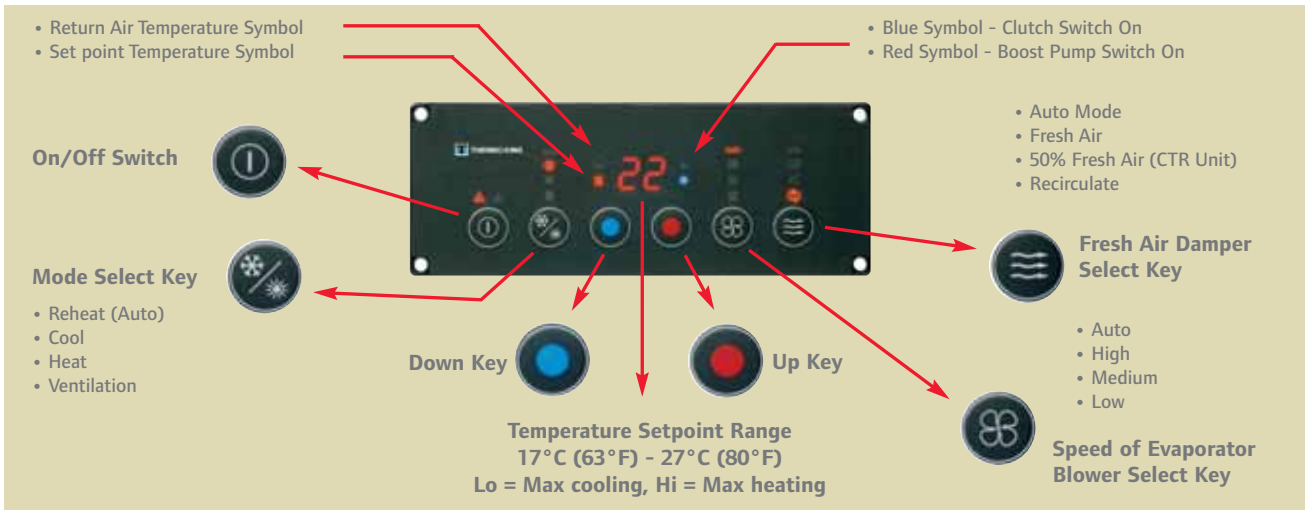
*HVAC controller with temperature set point display*



- Temperature set point display
- 4 working modes (ventilation, cool, heat, auto or reheat)
- Full diagnostic functions
- Fully automatic system (blower and fresh air damper control)
- 100% Fresh air function

## ClimaAire I D

In addition to existing features of the current controller, new ClimaAire I D controller has a number of new ones. The most important ones are: 2 digit display, analog temperature sensors for return air, coil, and ambient temperature, 100% fresh air function. Depending on the requirement temperature set point can be visible, hidden, or pre-set at a certain value regardless of driver's commands.



### ClimaAIRE 1D Product Features

- Same functions as previous model with the same connection and with the same mounting dimensions
- 2-digit display with automatic brightness instead of setpoint knob
- Analog Temperature Sensor - return air, coil, ambient temperature
- Delta T, adjustable Ab parameter
- Extended function for 100% fresh Air
- Diagnostics - alarms from sensor + PC monitor output
- Setup through driver panel - PC is needed only for upload firmware and monitoring

### Inputs

- Return Air Temperature Sensor (RTS)
- Coil Temperature Sensor (CTS)
- Ambient Temperature Sensor (ATS)
- Pressure Switches HPCO and LPCO (31B)

### ClimaAire I D Specification

<b>Mounting dimension</b>	152 mm x 57 mm
<b>Connection</b>	14 pin MOLEX
<b>Number of outputs</b>	7 - 500 mA (MCV - 1A)
<b>Temperature sensors</b>	RTS, CTS, ATS
<b>Clutch feedback</b>	Yes
<b>On/off switch</b>	Yes
<b>Mode selection key</b>	Yes
<b>Speed selection key</b>	Yes
<b>Fresh air selection key</b>	Yes
<b>Setpoint</b>	Up & down buttons
<b>Display for setpoint temperature</b>	2 digital with the automatic brightness
<b>Type of output</b>	Hi-side or low-side, select by software
<b>Display for return air temperature</b>	Yes as option
<b>Automatic HVAC control function</b>	Identical as ClimaAire II
<b>CAN interface</b>	Yes as option
<b>RS232 monitor output</b>	Yes
<b>Setup</b>	Through keyboard only
<b>Update of firmware</b>	Yes

### Outputs

- 3 for Evaporator Blowers Low Speed and Excitation (EFL+EFM+EFH) - 500mA
- Compressor Clutch and Condenser Fans (CL) - 500mA
- Boost Pump (BP) - 500mA
- Heating Solenoid Valve - Roof Unit (MCV1) - PWM (0.1 Hz - 20kHz) - 1A
- Fresh Air Damper (DM1) 0 - 50 - 100% - 500mA