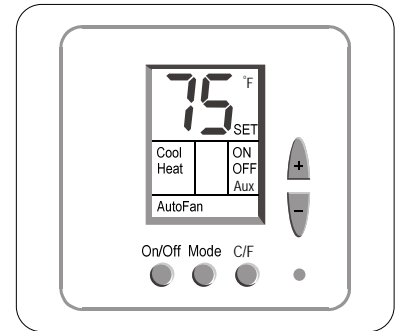


## Operating instructions

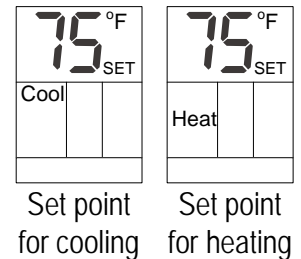
### Turning the thermostat ON and OFF

- Press the [On/Off] button to turn the thermostat ON or OFF.



### Adjusting the Set point temperatures for cool and heat

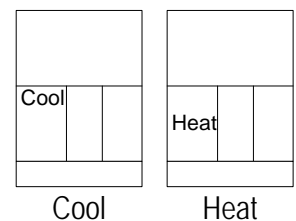
- Press the [+] or [-] buttons once – The word “Cool” and the set point temperature for cooling will appear on display.
- Press the [+] and [-] buttons again to adjust the set point temperature for cooling.
- Press the [Mode] button or wait 4 seconds – The word “Heat” and the set point temperature for heating will appear on display.
- Press the [+] and [-] buttons to adjust the set point temperature for heating.
- Press the [Mode] button again or wait 4 seconds to return to normal display.



### Switching between Modes

System mode selection is available only when the duct sensor is no connected.

- Press the [Mode] button to switch between modes:
  - “Cool”..... Cooling
  - “Heat”..... Heating



When using the duct sensor, the mode will be set automatically depending on temperature measured in the duct, as follows:

$T_d < 70^{\circ}\text{F}$  → Cooling mode

$T_d > 73^{\circ}\text{F}$  → Heating mode

The display will show both “Cool” & “Heat”. The active mode will flash.

### Switching between temperature scales

- Press the [C/F] button to switch between temperature scales

## Installation

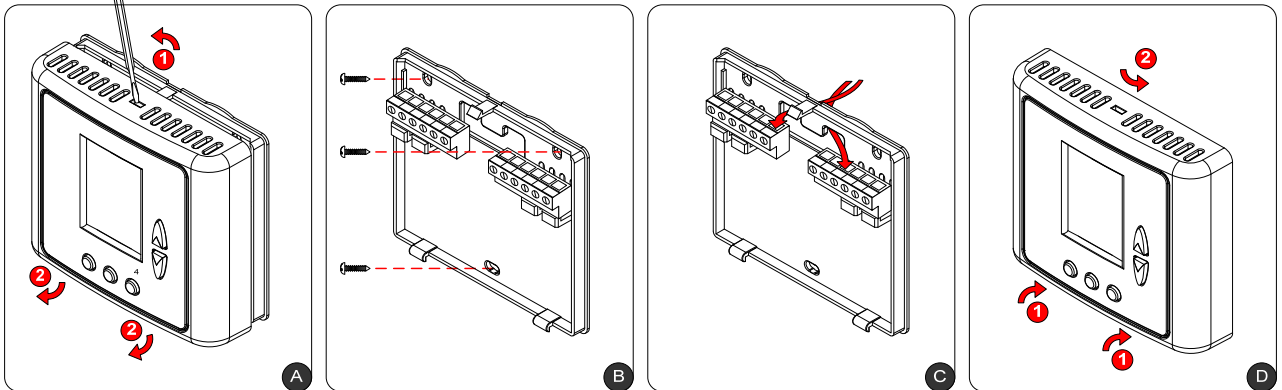
The ETN24-AZC-F is designed for wall mounting in the room to be controlled. It should be located where the occupant can easily read the LCD display and use the controls. If the built in temperature sensor is being used to measure room temperature, the module should be placed where the temperature is representative of the general room conditions. Cold or warm air draughts; radiant heat and direct sunlight should be avoided.

### General points to follow:

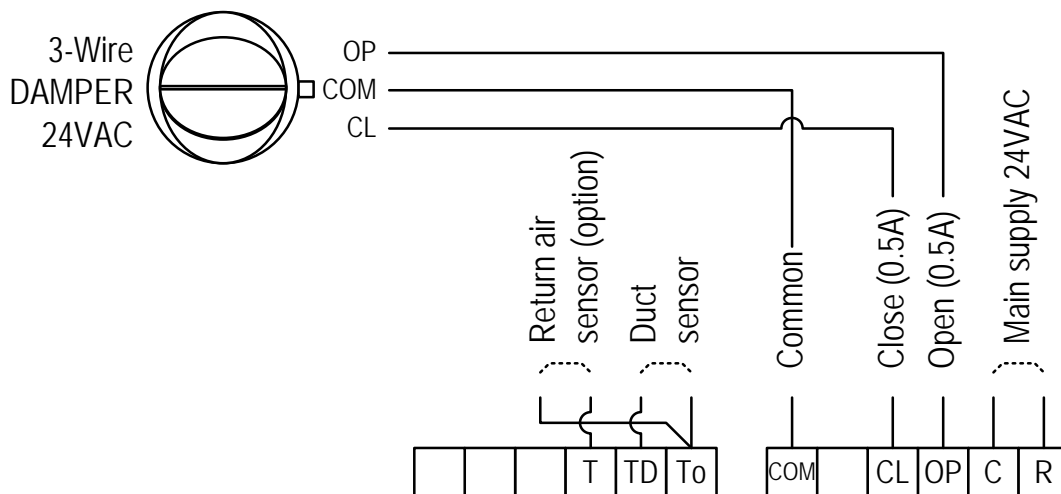
- Disconnect power to the main board before installing the unit.
- The standard height to install this unit is 1.5 meter (5 feet) from the floor.

### Installation procedure:

- Separate the front panel from back panel by pressing the tongue located in the top of the unit and pull the back panel out.
- Line the back panel up against the wall or flat surface. Install three screws as required.
- Make electrical connections as shown on enclosed electrical wiring diagram.
- Install the cove to the back panel; first the two tabs on the bottom and then the top tongue. Push until tight against the wall.



## Wiring

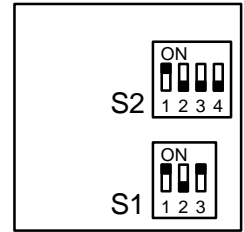


## DIP switch settings and temperature readings calibration Offset

Important: Make sure that the main supply to the thermostat is OFF before opening the cover and making changes with DIP Switches.

DIP Switch S1 (3 switches)

DIP Switch S2 (4 switches)



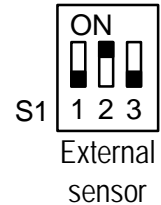
### Selecting Internal or External temperature sensor

Use DIP Switches S1.1, S1.2 and S1.3 to select between Internal (default) and External sensor configuration:

- Internal sensor: S1.1, S1.3 – ON, S1.2 – OFF
- External sensor: S1.1, S1.3 – OFF, S1.2 – ON



Internal sensor

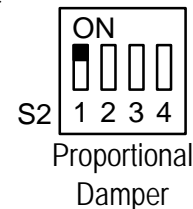


External sensor

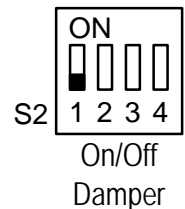
### Proportional / On/Off Damper

Use DIP Switches S2.1 to select between Proportional (default) or On/Off damper type as follows:

- Proportional: S2.1 – ON
- On/Off: S2.1 – OFF



Proportional Damper



On/Off Damper

### Adjusting Damper open and closing time

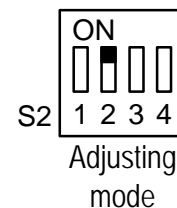
The default opening and closing time is 150 seconds.

Follow the steps below to adjust specific time:

- Disconnect power, open the thermostat and move DIP Switch S2.2 to ON position.
- Close the thermostat and resume 24VAC supply.
- Use the [+] and [-] buttons to select specific time.

The opening and closing time will be the number showed on the display **multiplied by 10**.

- Disconnect 24VAC supply and move DIP Switch S2.2 back to OFF position.
- Close the thermostat and resume 24VAC supply.



Adjusting mode

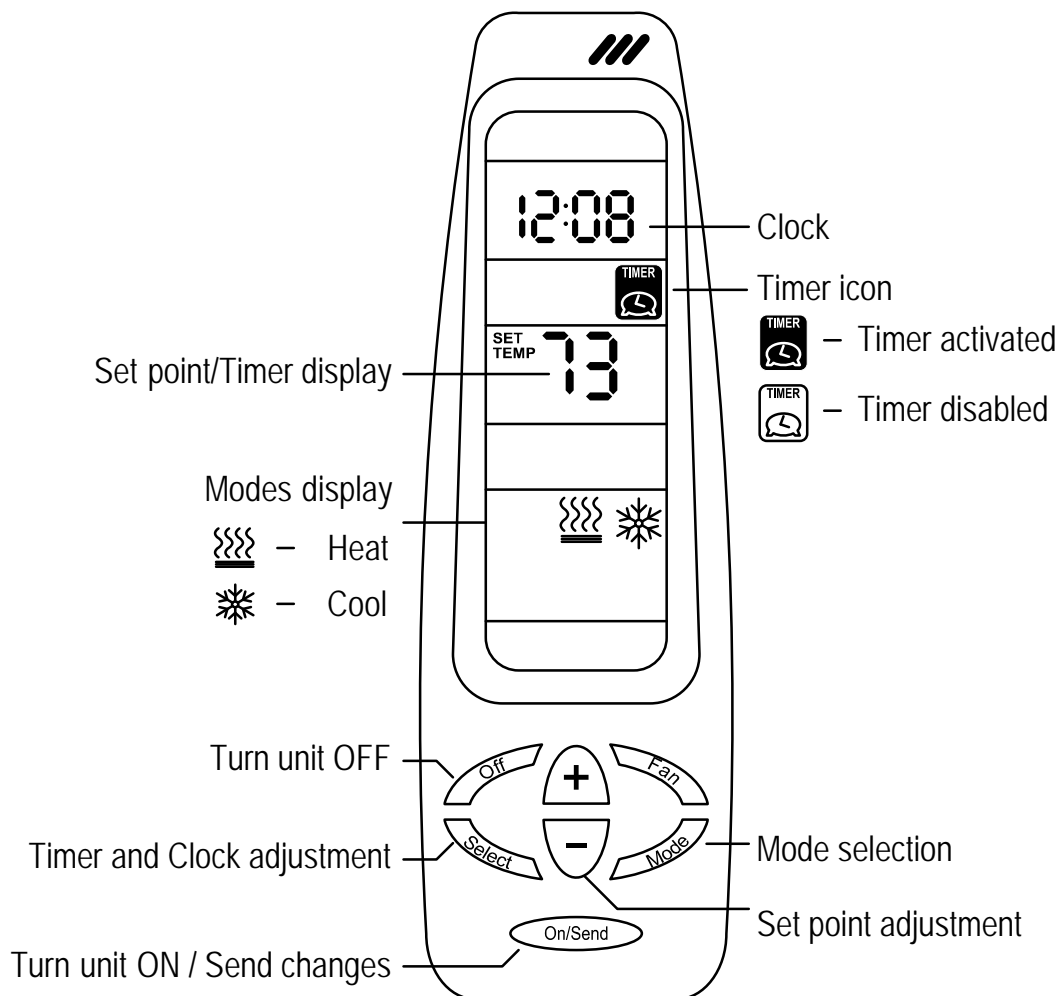


Normal mode

**Important: DIP Switches S2.3 and S2.4 are not in use and must remain OFF.**

### Adjusting the Offset for calibration of temperature readings

- Press and hold the [Mode] button for 10 seconds (until the thermostat beeps).
- Using the [+] and [-] buttons adjust the offset (range -6°F...+6°F / -3°C...+3°C).
- Press the [Mode] button again or wait 4 seconds to return to normal display.



### Adjusting the On/Off Timer and Real Time Clock

- Press the [Select] button - Digits will flash; Using the [+] and [-] buttons adjust On/Off timer (0-24 hours). Thermostat ON will turn OFF / Thermostat OFF will turn ON.
- Press the [Select] button again – the timer icon will flash; Using the [+] and [-] buttons activate the timer (black icon) or deactivate the timer (white icon).
- Press the [Select] button again – the words "CLOCK" and "SET" will flash.
- Press the [+] button - the hours will flash; Adjust the hours using the [+] or [-] buttons.
- Press the [Select] button again – the minutes will flash; Adjust the minutes using the [+] or [-] buttons.
- Press the [Select] button again to return to normal display.
- Point the remote control to the thermostat and press the "On/Send" button to send changes.

### Replacing Batteries

When the batteries are low, the display of the remote control will dim.

- Pull the batteries cover down to reveal the batteries and remove the old batteries.
- **Wait for 10 minutes before installing the new batteries.**
- Install two new AAA batteries (Pay attention to the polarity) and return the batteries cover to place.