The Friedrich RT7 is a non-programmable electronic thermostat, which can be used with the following heating/cooling applications:

- Single Stage Heat - Cool PTAC Units
- Single Stage Heat Pump PTAC Units with or without Electric Heat

**Input Voltage:** 19 to 30 VAC

**Output Rating:** Max. 1.5A per terminal (3A total)

**Temperature Control:** 45°F to 90°F (7°C to 32°C)

**Temperature Accuracy:** ± 1°F (± 0.5°C)

**Specifications**

- This thermostat is for LOW voltage applications only.
- Turn OFF electricity to all heating and cooling components.
- All wiring must conform to applicable local and national building and electrical codes and ordinances.

**Included in Package**

- Dry wall anchors and mounting screws
- Wiring labels
- GL to GH Jumper wire

**Installing the Thermostat**

- Use a flat head screw driver to separate the front and back housing of the thermostat
- If new mounting holes are needed, mark the placement of the new horizontal mounting holes through the trim plate base. Using a 3/16" drill bit, drill the holes you have marked and insert the supplied wall anchors.

**Mounting on Junction Box**

- Install mounting screw into top of junction box until there is approximately 1/8" gap between the screw head and the wall
- Insert and tighten the lower screw
- Ensure that trim plate is securely fitted to the wall. If not, release lower screw and tighten top screw.
- Use a flat head screw driver to separate the front and back housing of the thermostat
- Feed the wires through the back housing of the thermostat and then snap the back housing to the trim plate
- Your thermostat base should now be securely fixed to the wall
**NORMAL OPERATION**

**THERMOSTAT SYSTEM MODE SWITCH POSITIONS:**
- **HEAT:** thermostat permits heating operation
- **OFF:** thermostat stops all heating or cooling functions
- **COOL:** thermostat permits cooling operation

**THERMOSTAT FAN SWITCH POSITIONS:**
- **AUTO** position: fan operates in low speed mode as needed during a call for heating or cooling activation only.
- **LOW position:** fan operates continuously in low speed. Heat/Cool will turn on/off in background as needed.
- **HIGH position:** fan operates continuously in high speed. Heat/Cool will turn on/off in background as needed.

**THERMOSTAT BUTTONS:**
- **UP / DOWN:** Used for raising or lowering the target set temperature and selecting user options and settings in the display screen.
- **Note:** to adjust the target set temperature, first ensure that the thermostat is in either **HEAT** or **COOL** mode and press either **UP** or **DOWN** until the desired target temperature is reached. Pressing **UP** or **DOWN** will have no effect when the thermostat is in **OFF** mode.

**SETTING A KEYPAD / FRONT PANEL LOCKOUT:**
- While in either **HEAT** or **COOL** mode, a keypad lockout can be introduced which will prevent any temperature adjustment from being made by the user. Even while locked, any button press will illuminate the display backlight.
- To activate (and deactivate) the keypad lockout, set Mode Slide Switch to either **HEAT** or **COOL**, hold **UP** for 5 seconds. When the keypad is locked, a padlock will appear in the lower left corner of the display.