**T01 THERMOSTAT CODE**

For a 2-pipe system. The "Heat or Cool Only" control type utilizes a wall or unit mounted Heating or Cooling thermostat which cycles the water control valve to maintain space temperature. This control option does not include any Fan control or Heat/Cool Changeover.

**SYSTEM FAN:** The fan shall run continuously at the speed set by the factory installed jumper. See applicable wiring diagram at www.enviro-tec.com.

**COOLING ONLY OPERATION:** The Cooling thermostat shall cycle the water control valve, via a cooling signal, to maintain the desired space temperature in reference to the thermostat's setpoint.

**HEATING ONLY OPERATION:** The Heating thermostat shall cycle the water control valve, via a heating signal, to maintain the desired space temperature in reference to the thermostat's setpoint.

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**T02 THERMOSTAT CODE**

For a 2-pipe system. The "Heat/Cool" control type utilizes either a wall or unit mounted Heating/Cooling thermostat which cycles the water control valve to maintain space temperature. This control option includes Auto-Heat/Cool changeover with an Aquastat.

**AUTO SEASONAL CHANGEOVER:** An Aquastat, mounted on the inlet piping to the fan coil, shall sense the temperature of the water to determine whether the mechanical system is in the Winter or Summer mode. If the inlet water temperature is above 83°F, indicating heating, the Aquastat shall divert the cooling signal and connect the heating signal from the thermostat to the control valve to condition the space utilizing hot water. When the temperature of the inlet water drops below 65°F, which indicates cooling is available, the Aquastat shall allow the cooling signal to be connected to the control valve to condition the space utilizing chilled water.

**SYSTEM FAN:** The fan shall run continuously at the speed set by the factory installed jumper. See applicable wiring diagram at www.enviro-tec.com.

**COOLING MODE:** With the Aquastat in the Summer (Cooling) position, the Heat/Cool thermostat shall cycle the water control valve, via the thermostat's cooling signal, to maintain the desired space temperature in reference to the thermostat's setpoint.

**HEATING MODE:** With the Aquastat in the Winter (Heating) position, the Heat/Cool thermostat shall cycle the water control valve, via the thermostat's heating signal, to maintain the desired space temperature in reference to the thermostat's setpoint.

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**T03 THERMOSTAT CODE**

For a 2-pipe system. The "Heat or Cool Only" control type utilizes either a wall or unit mounted Heating or Cooling thermostat which cycles the water control valve to maintain space temperature. This control option includes an On/Off System Switch and a 3-Speed Fan Switch as part of the thermostat.

**SYSTEM ON/OFF SWITCH:** A System ON/OFF Switch, located on the thermostat's cover, shall enable or disable the fan and control valve as directed by the switch's position. The fan shall run continuously with the system switch in the "On" position and shall stop when the system switch is placed in the "Off" position.

**COOLING ONLY MODE:** The Cooling thermostat shall cycle the water control valve, via the cooling signal, to maintain the desired space temperature in reference to the thermostat's setpoint. Heating Only thermostat option is also available.

**3-SPEED FAN SWITCH:** When the fan coil unit is in the normal operating mode, a Fan Speed Switch, located on the thermostat cover, shall control the speed of the fan from Low, Medium to High, as directed by the switch's position.
T04 THERMOSTAT CODE
For a 2-pipe system. The "Heat/Cool" control type utilizes either a wall or unit mounted Heating/Cooling thermostat which cycles the water control valve to maintain space temperature. This control option includes Manual changeover, Heat/Off/Cool System Switch, 3-Speed Fan Switch and an Aquastat.

MANUAL HEAT/OFF/COOL SYSTEM SWITCH: A System Heat/Off/Cool Switch, located on the thermostat's cover, shall allow the operator to manually select the Heating or Cooling mode of operation or to disable the fan and control valve in the "Off" position. The fan shall run continuously with the system switch in the Heat or Cool mode (On) and shall stop when the system switch is placed in the "Off" position.

COOLING MODE: With the Aquastat in the Summer (Cooling) position, the Heat/Cool thermostat, in the cooling position, shall cycle the water control valve, via the cooling signal, to maintain the desired space temperature in reference to the thermostat's setpoint.

HEATING MODE: With the Aquastat in the Winter (Heating) position, the Heat/Cool thermostat, in the heating position, shall cycle the water control valve, via the heating signal, to maintain the desired space temperature in reference to the thermostat's setpoint.

SUPERVISORY CHANGEOVER: An Aquastat, mounted on the inlet piping to the fan coil, shall sense the temperature of the water to determine whether the mechanical system is in the Winter or Summer mode. If the inlet water temperature is above 83°F, indicating heating, the Aquastat shall block the cooling signal and connect the heating signal from the thermostat to the control valve to condition the space utilizing hot water. When the temperature of the inlet water drops below 65°F, which indicates cooling is available, the Aquastat shall block the heating signal and allow the cooling signal to be connected to the control valve to condition the space utilizing chilled water. If the water temperature does not match the manually selected Heating or Cooling Mode, the control valve will not open.

3-SPEED FAN SWITCH: When the Fan Coil Unit is in the normal operating mode, a Fan Speed Switch, located on the thermostat cover, shall control the speed of the fan from Low, Medium to High, as directed by the switch's position.

T05 THERMOSTAT CODE
For a 2-pipe system. The "Heat/Cool" control type utilizes either a wall or unit mounted Heating/Cooling thermostat which cycles the water control valve to maintain space temperature. This control option includes Auto-Heat/Cool changeover, On/Off System Switch, 3-Speed Fan Switch and an Aquastat.

SYSTEM ON/OFF SWITCH: A System On/Off Switch, located on the thermostat's cover, shall enable or disable the fan and control valve as directed by the switch's position.

AUTO HEAT/COOL Changeover: An Aquastat, mounted on the inlet piping to the fan coil, shall sense the temperature of the water to determine whether the mechanical system is in the Winter or Summer mode. If the inlet water temperature is above 83°F, indicating heating, the Aquastat shall block the cooling signal and connect the heating signal from the thermostat to the control valve to condition the space utilizing hot water. When the temperature of the inlet water drops below 65°F, which indicates cooling is available, the Aquastat shall block the heating signal and allow the cooling signal to be connected to the control valve to condition the space utilizing chilled water.

COOLING MODE: With the Aquastat in the Summer (Cooling) position, the Heat/Cool thermostat shall cycle the water control valve in the Cooling Mode to maintain the desired space temperature in reference to the thermostat's setpoint.

HEATING MODE: With the Aquastat in the Winter (Heating) position, the Heat/Cool thermostat shall cycle the water control valve in the Heating Mode to maintain the desired space temperature in reference to the thermostat's setpoint.

3-SPEED FAN SWITCH: When the Fan Coil Unit is in the normal operating mode, a Fan Speed Switch, located on the thermostat cover, shall control the speed of the fan from Low, Medium to High, as directed by the switch's position.
### T06 Thermostat Code

For a 2-pipe system. The "Heat/Cool" control type utilizes either a wall or unit mounted Heating/Cooling thermostat which cycles the water control valve to maintain space temperature. This control option includes Manual changeover, Heat/Off/Cool System Switch, 3 Speed Fan Switch and an Aquastat.

**Heat/Off/Cool System Switch:** A System Heat/Off/Cool Switch, located on the thermostat's cover, shall allow the operator to manually select Heating, Cooling or to disable the fan and control valve in the 'Off' position. The fan shall run continuously with the system switch in the Heat or Cool mode (On) and shall stop when the system switch is placed in the Off position.

**Cooling Mode:** With the manual Heat/Off/Cool Switch in the "COOL" position, and with the Aquastat in the Summer (Cooling) position, a wall or unit mounted Heat/Cool thermostat shall cycle the water control valve, via the cooling signal, to maintain the desired space temperature in reference to the thermostat's setpoint.

**Heating Mode:** With the manual Heat/Off/Cool Switch in the "HEAT" position, and with the Aquastat in the Winter (Heating) position, a wall or unit mounted Heat/Cool thermostat shall cycle the water control valve, via the heating signal, to maintain the desired space temperature in reference to the thermostat's setpoint. If hot water is not available to the fan coil unit, the heating signal shall be switched to the electric heat element(s) through relay CR-1’s contacts.

**Supervisory Changeover:** An Aquastat, mounted on the inlet piping to the fan coil, shall sense the temperature of the water to determine whether the mechanical system is in the Winter or Summer mode. If the inlet water temperature is above 83°F, indicating heating, the Aquastat shall block the cooling signal and connect the heating signal from the thermostat to the control valve to condition the space utilizing hot water. When the temperature of the inlet water drops below 65°F, which indicates cooling is available, the Aquastat shall block the heating signal and allow the cooling signal to be connected to the control valve to condition the space utilizing chilled water. If the water temperature does not match the manually selected Heating or Cooling Mode, the control valve will not open.

**3-Speed Fan Switch:** When the Fan Coil Unit is in the normal operating mode, a Fan Speed Switch, located on the thermostat cover, shall control the speed of the fan from Low, Medium to High, as directed by the switch’s position.

### T07 Thermostat Code

For a 2-pipe system. The "Heat/Cool with Auxiliary Electric Heat" control type utilizes either a wall or unit mounted Heating/Cooling thermostat which cycles the water control valve to maintain space temperature. This control option includes Auto-Heat/Cool changeover, On/Off System Switch, 3-Speed Fan Switch and an Aquastat.

**System On/Off Switch:** A System On/Off Switch, located on the thermostat's cover, shall enable or disable the fan and control valve as directed by the switch's position.

**Auto Heat/Cool Changeover:** An Aquastat, mounted on the inlet piping to the fan coil, shall sense the temperature of the water to determine whether the mechanical system is in the Winter or Summer mode. If the inlet water temperature is above 83°F, indicating heating, the Aquastat shall block the cooling signal and connect the heating signal from the thermostat to the control valve to condition the space utilizing hot water. When the temperature of the inlet water drops below 65°F, which indicates cooling is available, the Aquastat shall block the heating signal and allow the cooling signal to be connected to the control valve to condition the space utilizing chilled water.

**Cooling Mode:** With the Aquastat in the Summer (Cooling) position, the Heat/Cool thermostat shall cycle the water control water valve in the Cooling Mode to maintain the desired space temperature in reference to the thermostat's setpoint.

**Heating Mode:** With the Aquastat in the Winter (Heating) position, the Heat/Cool thermostat shall cycle the water control water valve in the Heating Mode to maintain the desired space temperature in reference to the thermostat's setpoint.
3-SPEED FAN SWITCH: When the Fan Coil Unit is in the normal operating mode, a Fan Speed Switch, located on the thermostat cover, shall control the speed of the fan from Low, Medium to High, as directed by the switch's position.

**T08 THERMOSTAT CODE**

For a 2-pipe system. The "Cool with Total Electric Heat" control type utilizes either a wall or unit mounted Heating/Cooling thermostat which cycles the chilled water control valve or electric heating elements to maintain space temperature. This control option includes Auto-Heat/Cool changeover, On/Off System Switch and a 3-Speed Fan Switch.

SYSTEM ON/OFF SWITCH: A System On/Off Switch, located on the thermostat's cover, shall enable or disable the fan, control valve and electric heat as directed by the switch's position.

AUTO HEAT/COOL CHANGEOVER: The Auto-changeover function is a feature of the Heat/Cool thermostat.

COOLING MODE: The Heat/Cool thermostat, while in the "COOL" mode, shall cycle the chilled water control water valve to maintain the desired space temperature in reference to the thermostat's setpoint.

HEATING MODE: The Heat/Cool thermostat, while in the "HEAT" mode, shall cycle the electrical heating element(s) to maintain the desired space temperature in reference to the thermostat's setpoint.

3-SPEED FAN SWITCH: When the Fan Coil Unit is in the normal operating mode, a Fan Speed Switch, located on the thermostat cover, shall control the speed of the fan from Low, Medium to High, as directed by the switch's position.

**T09 THERMOSTAT CODE**

For a 2-pipe system. The "Cool with Total Electric Heat" control type utilizes either a wall or unit mounted Heating/Cooling thermostat which cycles the chilled water control valve or electric heating elements to maintain space temperature. This control option includes Manual Changeover, Heat/Off/Cool System Switch and a 3-Speed Fan Switch.

MANUAL HEAT/COOL CHANGEOVER: A "Heat/Off/Cool" switch, mounted on the thermostat, shall allow the operator to manually select Heating, Cooling or to disable the fan and control valves in the "Off" position.

COOLING MODE: The Heat/Cool thermostat, while in the "COOL" position, shall cycle the water control water valve to maintain the desired space temperature in reference to the thermostat's setpoint.

HEATING MODE: The Heat/Cool thermostat, while in the "HEAT" position, shall cycle the electrical heating element(s) to maintain the desired space temperature in reference to the thermostat's setpoint.

3-SPEED FAN SWITCH: When the Fan Coil Unit is in the normal operating mode, a Fan Speed Switch, located on the thermostat's cover, shall control the speed of the fan from Low, Medium to High, as directed by the switch's position.

**T10 THERMOSTAT CODE**

For a 4-pipe system. The "Heat/Cool" control type utilizes either a wall or unit mounted Heating/Cooling thermostat which cycles either the heating or cooling control valve to maintain space temperature. This control option includes Auto-Heat/Cool changeover Thermostat and no other options. Fan shall run continuously at the high speed as set by the factory installed jumper. The speed may be changed by moving the jumper to a low speed position or by adjusting the motor speed controller (if applicable).

AUTO HEAT/COOL CHANGEOVER: The Auto-changeover function is a feature of the wall or unit mounted Heat/Cool thermostat.
SEQUENCE OF OPERATIONS

COOLING MODE: The Heat/Cool thermostat, in the cooling mode, shall cycle the chilled water control water valve to maintain the desired space temperature in reference to the thermostat's setpoint.

HEATING MODE: The Heat/Cool thermostat, in the heating mode, shall cycle the hot water control water valve to maintain the desired space temperature in reference to the thermostat's setpoint.

T11 THERMOSTAT CODE
For a 4-pipe system. The "Heat/Cool" control type utilizes a wall or unit mounted Heating/Cooling thermostat which cycles either the heating or cooling control valve to maintain space temperature. This control option includes Automatic Heating/Cooling changeover, System Switch and Fan Speed Switch.

SYSTEM ON/OFF SWITCH: A System ON/OFF Switch, located on the thermostat cover, shall enable or disable the fan and control valves as directed by the switch's position.

AUTO HEAT/COOL CHANGEOVER: The Auto-changeover function is a feature of the Heat/Cool thermostat.

COOLING MODE: The Heat/Cool thermostat, in the cooling mode, shall cycle the chilled water control water valve to maintain the desired space temperature in reference to the thermostat's setpoint.

HEATING MODE: The Heat/Cool thermostat, in the heating mode, shall cycle the hot water control water valve to maintain the desired space temperature in reference to the thermostat's setpoint.

3 SPEED FAN SWITCH: When the Fan Coil Unit is in the normal operating mode, a Fan Speed Switch, located on the thermostat cover, shall control the speed of the fan from Low, Medium to High, as directed by the switch's position.

T12 THERMOSTAT CODE
For a 4-pipe system. The "Heat/Cool" control type utilizes either a wall or unit mounted Heating/Cooling thermostat which cycles either the heating or cooling control valve to maintain space temperature. The Fan shall run continuously during the normal Heat/Cool operation. The fan shall be off when the Heat/Off/Cool Switch is Off. This control option includes Manual Heating/Cooling changeover and a 3-Speed Fan Switch.

MANUAL HEAT/COOL CHANGEOVER: A "Heat/Off/Cool" switch, mounted on the thermostat, shall allow the operator to manually select Heating, Cooling or to disable the fan and control valves in the "Off" position.

COOLING MODE: The Heat/Cool thermostat, while in the "COOL" position, shall cycle the chilled water control water valve to maintain the desired space temperature in reference to the thermostat's setpoint.

HEATING MODE: The Heat/Cool thermostat, while in the "HEAT" position, shall cycle the hot water control water valve to maintain the desired space temperature in reference to the thermostat's setpoint.

3-SPEED FAN SWITCH: When the Fan Coil Unit is in the normal operating mode, a Fan Speed Switch, located on the thermostat's cover, shall control the speed of the fan from Low, Medium to High, as directed by the switch's position.