

UNIT & REMOTE MOUNTED THERMOSTAT OPTIONS (SOILD STATE)							
SYSTEM TYPE	T-STAT CODE	CONTROL TYPE	CHANGEOVER TYPE	SYSTEM SWITCH	FAN SWITCH	AQUASTAT	FAN CYCLE COOLING
2 Pipe	T03H	Heat Only	None	On/Off	H-M-L	No	No
	T03C	Cool Only	None	On/Off	H-M-L	No	No
	T05	Heat/Cool	Auto	On/Off	H-M-L	Yes	No
	T06	Heat/Cool w/ Aux. Elec. Heat	Manual	Heat/Off/Cool	H-M-L	Yes	No
	T07	Heat/Cool w/ Aux. Elec. Heat	Auto	On/Off	H-M-L	Yes	No
	T08	Cool with Electric Heat	Auto	On/Off	H-M-L	No	No
4 Pipe	T09	Cool with Electric Heat	Manual	Heat/Off/Cool	H-M-L	No	No
	T10	Heat/Cool	Auto	None	None	No	No
	T11	Heat/Cool	Auto	On/Off	H-M-L	No	No
	T12	Heat/Cool	Manual	Heat/Off/Cool	H-M-L	No	No
UNIT & REMOTE MOUNTED THERMOSTAT OPTIONS (DIGITAL NON-PROGRAMMABLE)							
SYSTEM TYPE	T-STAT CODE	CONTROL TYPE	CHANGEOVER TYPE	SYSTEM SWITCH	FAN SWITCH	AQUASTAT	FAN CYCLE COOLING
2 Pipe	D03H	Heat Only	NA	Heat/Off	Auto-H-M-L-Off	No	No
	D03C	Cool Only	NA	Cool/Off	Auto-H-M-L-Off	No	No
	D05	Heat/Cool	Auto	Heat/Off/Cool/Auto	Auto-H-M-L-Off	Yes	No
	D06	Heat/Cool w/ Aux. Elec. Heat	Auto	Heat/Off/Cool/Auto	Auto-H-M-L-Off	Yes	No
	D08	Cool with Electric Heat	Auto	Heat/Off/Cool/Auto	Auto-H-M-L-Off	No	No
4 Pipe	D11	Heat/Cool	Auto	Heat/Off/Cool/Auto	Auto-H-M-L-Off	No	No
UNIT & REMOTE MOUNTED THERMOSTAT OPTIONS (DIGITAL PROGRAMMABLE)							
SYSTEM TYPE	T-STAT CODE	CONTROL TYPE	CHANGEOVER TYPE	SYSTEM SWITCH	FAN SWITCH	AQUASTAT	FAN CYCLE COOLING
2 Pipe	P03H	Heat Only	NA	Heat/Off	Auto-H-M-L-Off	No	No
	P03C	Cool Only	NA	Cool/Off	Auto-H-M-L-Off	No	No
	P05	Heat/Cool	Auto	Heat/Off/Cool/Auto	Auto-H-M-L-Off	Yes	No
	P06	Heat/Cool w/ Aux. Elec. Heat	Auto	Heat/Off/Cool/Auto	Auto-H-M-L-Off	Yes	No
	P08	Cool with Electric Heat	Auto	Heat/Off/Cool/Auto	Auto-H-M-L-Off	No	No
4 Pipe	P11	Heat/Cool	Auto	Heat/Off/Cool/Auto	Auto-H-M-L-Off	No	No
UNIT & REMOTE MOUNTED T60xTHERMOSTAT OPTIONS (N Series) On/Off Actuator (Valve) Control							
SYSTEM TYPE	T-STAT CODE	CONTROL TYPE	CHANGEOVER TYPE	SYSTEM SWITCH	FAN SWITCH	AQUASTAT	FAN CYCLE COOLING
2 Pipe	N03H	Heat Only	None	On/Off	H-M-L	No	No
	N03C	Cool Only	None	On/Off	H-M-L	No	No
	N05	Heat/Cool	Auto	On/Off	H-M-L	Yes	No
	N07	Heat/Cool w/ Aux. Elec. Heat	Auto	On/Off	H-M-L	Yes	No
	N08	Cool with Electric Heat	Auto	On/Off	H-M-L	No	No
4 Pipe	N11	Heat/Cool	Auto	On/Off	H-M-L	No	No
UNIT & REMOTE MOUNTED T60xTHERMOSTAT OPTIONS (F Series) Floating Actuator (Valve) Control							
SYSTEM TYPE	T-STAT CODE	CONTROL TYPE	CHANGEOVER TYPE	SYSTEM SWITCH	FAN SWITCH	AQUASTAT	FAN CYCLE COOLING
2 Pipe	F03H	Heat Only	None	On/Off	H-M-L	No	No
	F03C	Cool Only	None	On/Off	H-M-L	No	No
	F05	Heat/Cool	Auto	On/Off	H-M-L	Yes	No
	F07	Heat/Cool w/ Aux. Elec. Heat	Auto	On/Off	H-M-L	Yes	No
	F08	Cool with Electric Heat	Auto	On/Off	H-M-L	No	No
4 Pipe	F11	Heat/Cool	Auto	On/Off	H-M-L	No	No
CHANGEOVER THERMOSTAT OPTION							
Aquistat (for use with field supplied changeover thermostat)							

## NOTES:

1. Thermostats are rated for supply 24 volt VAC. All factory supplied thermostats require BC02-BC07 control packages.
2. All thermostat control sequences are "continuous fan/valve cycle" configured, and are not suitable for use with modulating valves (Except F-series stats) shown in Piping Package Options table. "Fan cycle only" operation is not recommended. Contact factory for "fan and valve cycle" applications.
3. All thermostats, except T10, include an integral 3-speed fan control. On DX systems, suction pressure may vary with fan speed, resulting in undesirable operation. Thermostats above do not include an "anti-short cycle" feature typically required for proper DX system operation.
4. Thermostat prices include an aquastat where indicated. Aquastats are sized to match factory piping packages. On units ordered without factory piping package, aquastat furnished is suitable for use with pipe size as selected in EDGE. Changeover thermostat codes T05, T06, T07, D05, D06, P05 and P06, when ordered with a 2-way piping package, require the addition of a 1/4" bleed line as a Piping Package option.
5. Aquastat is optional on heat/cool changeover units with field supplied thermostats. When ordered with a 2-way piping package, the 1/4" bleed line is also required.
6. Remote mounted thermostats are furnished for field wiring to terminal strip.
7. All digital programmable and digital non-programmable thermostats will be shipped configured per the above T-stat code
8. Digital programmable thermostats have 7 day programmability and must be set in the field.
9. Digital non-programmable and digital programmable thermostats are shipped as standard to be configured for auto changeover. The thermostats can be configured in the field for manual changeover on 2-Pipe systems.
- 10 T60x N-Series and F-series thermostats are shipped configured as noted above.
- 11 Unit mounted thermostats are not available on TVBC units.
- 12 Unit mounted thermostats are not available on TVBF or TVBA units with opposite end coil connections.
- 13 TVB Unit mounted thermostats include a factory installed return air sensor.

PKG CODE	BASIC AND OPTIONAL CONTROL POWER PACKAGES
<b>BC00</b>	Line Voltage - w/EH
<b>BC01</b>	Line Voltage
<b>BC02</b>	24 Volt, 3-Speed Fan Relay Package, Unit Start/Stop and 25 VA Transformer
<b>BC03</b>	24 Volt, 3-Speed Fan Relay Package, Unit Start/Stop and 25 VA Transformer w/ EH
<b>BC04</b>	24 Volt, 3-Speed Fan Relay Package, Unit Start/Stop and 25 VA Transformer
<b>BC05</b>	24 Volt, 3-Speed Fan Relay Package, Unit Start/Stop and 25 VA Transformer w/ EH
<b>BC06</b>	24 Volt, 3-Speed Fan Relay Package, Unit Start/Stop and 25 VA Transformer
<b>BC07</b>	24 Volt, 3-Speed Fan Relay Package, Unit Start/Stop and 25 VA Transformer w/ EH
<b>OC011</b>	Drain Pan Float Switch
<b>OC012</b>	Toggle Disconnect Switch - 15 Amps
<b>OC013</b>	Non-Fused Door Interlocking Disconnect Switch - 40 Amps
<b>OC014</b>	Non-Fused Door Interlocking Disconnect Switch - 80 Amps
<b>OC015</b>	Main Fusing (Up to 30 Amps)
<b>OC016</b>	Main Fusing (30.01 to 60 Amps)
<b>OC024</b>	Main Fusing (NEC Branch Fusing - 60.01 to 100 Amps)
<b>OC018</b>	Fan Speed Controller (SCR)
<b>OC019</b>	Unit Mounted 3-Speed Switch with Off Position
<b>OC020</b>	Remote Mounted 3-Speed Switch with Off Position

**NOTES, Basic Control Packages:**

1. All basic control packages include an incoming power connection, control wiring terminal block, and 3-speed fan motor wired with quick connect fan speed selection, factory connected to high speed tap. Caution should be used to maintain proper airflow if electric heat or direct expansion cooling is used.
2. BC00 includes a line voltage relay to control electric heat. If low voltage control is required, select at least a BC03, BC05, or BC07.
3. When selecting BC00, BC03, BC05 and BC07, any remote mounted fan control device must not include fan OFF capability unless the OFF position includes a method to prevent electric heat operation.
4. Factory furnished control transformer is not sized to provide power for devices not shown on the factory wiring diagram.
5. See Coil table notes table for option restrictions with opposite end connection coils.
6. All ECM's must include BC02-BC07 package.

**NOTES, Optional Control Packages:**

1. OC011 includes factory mounted and wired low voltage float operated switch wired to de-energize unit on rise in drain pan condensate level. This option requires one of the following low voltage Basic Control Packages: BC02- BC07. Not available with BC00 or BC01.
2. OC012 is not available on units with electric heat.
3. OC013 and OC014 are available on units with or without electric heat.

4. OC015, OC016, OC024 used with OC013 or OC014 serves as a fused disconnect. OC024 is required on all units where the FLA exceeds 48 amps. Refer to MOP calculator to determine what size fuse.
5. OC018 is wired to high speed motor tap for variable fan speed control down to factory preset minimum.
6. OC020 is not available with Basic Control Package BC03, BC05, or BC07.
7. OC019 and OC020 are not required with field furnished thermostats that include 3-speed fan control. Not available on factory thermostats with 3-speed fan switches. OC019 mounted under access door on exposed and sloped top units.
8. See Coil table notes for option restrictions with opposite end connection coils.
9. Reduced fan speed operation on DX systems may result in decreased suction pressure to a level of undesirable operation. Selection of units, components, and controls is the responsibility of others.
10. Contact factory for mount and wire of all controls furnished by others. See DDC Mount and Wire Controls section for details on factory approved devices.
11. OC018 is not available with ECM.
12. BC02-BC07 required for OC019 or OC020.

# DDC MOUNT & WIRE

ALLOWABLE DDC MOUNT AND WIRE CONTROLLERS	
Manufacturer	Model
Alerton	Please Contact Titus
American Auto-Matrix	Please Contact Titus
Automated Logic	Please Contact Titus
Honeywell	Please Contact Titus
Invensys	Please Contact Titus
Johnson Controls	FEC 1610
Siemens	Please Contact Titus
TAC (CSI)	Please Contact Titus

## NOTES

### 1. GENERAL

- A. There is an \$250 Net setup fee per order for all DDC jobs by others, regardless of the number of units. This charge applies only if controls are factory mounted and wired.
- B. Add the above list prices to list price for base fan coil unit. Prices do not include calibration or check-out, which is performed in the field by others.
- C. Always coordinate with the control supplier and factory prior to giving final pricing and always qualify your bill of material.
- D. All projects with electric heat must be reviewed by the factory due to space constraints in the Control Enclosure.
- E. Extended End Pocket must be included and placed on the control enclosure end on all Model TVB fan coils. See Unit Options table. Four pipe units must have same end connections.

### 2. TRANSFORMER, FAN RELAY(S), CONTROL COMPATIBILITY

- A. The factory must supply transformers (if required) on projects with DDC by others mounted at the factory to comply with ETL listings. This is also true with fan relay(s).
  - B. Many DDC FCU controllers do not support three-speed fan control. If three-speed operation is required with these controllers, a manual three-speed switch may be added.
  - C. Most DDC FCU controllers will not support auxiliary electric heat used in conjunction with floating, modulating heat. Always check with applicable controls contractor to see if this combination of control features is supported.
3. All mount and wire orders must be accompanied by a completed Factory Mount & Wire Checklist\* including all documents listed under Documentation Requirements (with part numbers being supplied by the DDC manufacturer).
  4. All mount and wire orders will be subject to the Coordination of Control Shipments to Factory policy.\*
  5. Please advise control suppliers not to make partial shipment and that large orders should be bulk packed when possible.
  6. DDC Mount & Wire is not available on Quick Ship.