The "Autospeed 24V™ "

Control Package:
24V Digital 3-speed Wall Thermostat and Fan Coil Control Board
For 2 pipe and 4 pipe fan coils

First Co. ®

Accurate, Efficient, and Quiet Fan Coil Operation

The new Autospeed 24V™ thermostat (part #'s T200 and T201) provides 24V AC single stage temperature control of 2 pipe and 4 pipe fan coil applications. The T200/T201 thermostat offers maximum comfort and efficiency by a**utomatically selecting the appropriate High, Medium, or Low fan speed,** depending on room temperature and thermostat temperature setting. This automatic fan speed control not only brings the room temperature to the desired set point quickly, it maintains the room temperature with the most efficient fan speed selection. Once the desired room temperature is achieved the fan coil operates on low speed for extremely quiet operation.

For ceiling fan coils and vertical console units, optional controls are factory installed, which include the control board, transformer, and disconnect switch. For MB/MB-HW and CW/CW-HW/CWE series upflow or horizontal fan coils, the optional control board and transformer can be factory installed inside the unit wiring compartment. A disconnect switch is <u>not</u> available with the MB/MB-HW and CW/CW-HW/CWE models.

The fan coil control board is a circuit board that provides control of a 3-speed line voltage (120, 208-240, or 277V), (50 or 60 cycle) fan motor. The control board allows the thermostat to control the fan motor even though, by itself, the thermostat does not have the current capability nor voltage rating capability to control the fan motor. Contact the factory for various control board part numbers.

First Co.

FAN
AUTO HIGH MED LOW

△ TEMP ▽   FAN   HEAT / COOL   POWER

(Shown with wall plate)
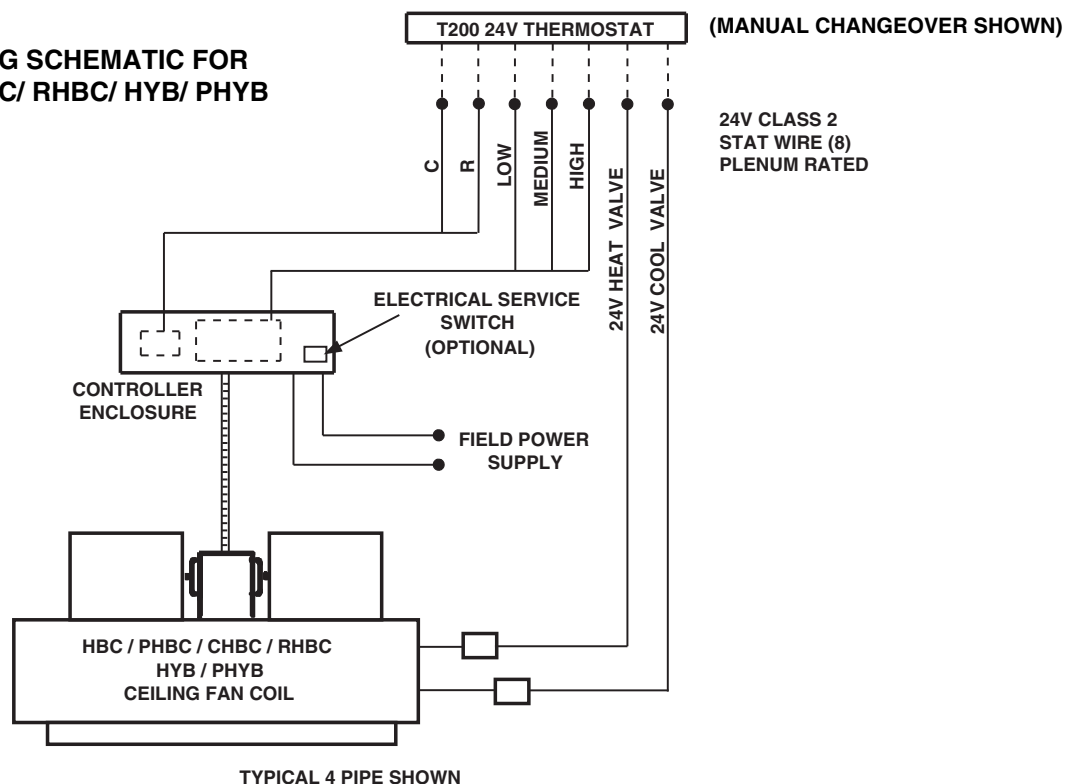
T200/T201 Thermostat Features

- Compatible with 2 pipe and 4 pipe fan coils Series HBC/PHBC/RHBC/CHBC, MB/MB-HW, HYB/PHYB, and CW/CW-HW/CWE

- Cycle fan or continuous fan operation

- T200-Manual Heat / Cool changeover switch

- T201-Automatic Heat / Cool changeover

- Large LED digital display

- Allows less expensive 24V control wiring from the fan coil to the thermostat, rather than larger, more expensive line voltage wiring.

- 3-speed fan operation, with speed indicator lights

- Fan speed determination:

- If room temperature is 4 degrees (F.) off thermostat set point, fan will operate on <u>High speed</u>.

- If 3 degrees off set point, fan will operate on <u>Medium speed</u>.

- If within 2 degrees of set point, fan will operate on <u>Low speed</u>.

- One or 3 hour Auto override - Fan speed defaults to "Auto" mode after 1 hour if the user manually changes it to a particular fan speed.

- Temperature set range: 64-88 degrees F.

- Adjustable high and low temperature set points

- Selectable Fahrenheit / Centigrade display

- Power switch turns system off/on

- Requires 7-wire 24V thermostat wire

DISPLAY CODES		
DISPLAY	**STEADY**	**FLASHING**
P1	Auto fan timer - 1 hour (default)	Auto fan timer - 3 hour
P2	Continuous fan (default)	Cycled fan
P3	°F (default)	°C
P4	Cycled fan standard	Cycled fan overdrive (default)
P5	Low temo limit 64 °F (default)	Low temp limit 67 °F
P6	Hi temp limit 88 °F (default)	Hi temp limit 84 °F

T200/T201
Autospeed 24V Control Package

TYPICAL WIRING SCHEMATIC FOR
HBC/ PHBC/ CHBC/ RHBC/ HYB/ PHYB

T200 24V THERMOSTAT   (MANUAL CHANGEOVER SHOWN)

C   R   LOW   MEDIUM   HIGH   24V HEAT VALVE   24V COOL VALVE

24V CLASS 2
STAT WIRE (8)
PLENUM RATED

ELECTRICAL SERVICE
SWITCH
(OPTIONAL)

CONTROLLER
ENCLOSURE

FIELD POWER
SUPPLY

HBC / PHBC / CHBC / RHBC
HYB / PHYB
CEILING FAN COIL

TYPICAL 4 PIPE SHOWN

WARNING AVERTISSEMENT ADVERTENCIA
Cancer and Reproductive Harm
Cancer et Troubles de l'appareil reproducteur
Cáncer y Daño Reproductivo
www.P65Warnings.ca.gov
LBY0057

TYPICAL WIRING SCHEMATIC FOR
MB / MB-HW, CW/CW-HW,
VCB/ VFB/ VSB

T200 24V THERMOSTAT   (MANUAL CHANGEOVER SHOWN)

24V COOL VALVE

24V HEAT VALVE

C   R   LOW   MEDIUM   HIGH

24V CLASS 2
WIRING

MB / MB-HW,
CW / CW-HW /
CWE
UPFLOW
FAN COIL
(WITH CONTROL
BOARD)

MB / MB-HW
CW / CW-HW /
CWE
UPFLOW
FAN COIL
(WITH CONTROL
BOARD INSTALLED)

FIELD POWER
SUPPLY

TYPICAL 4 PIPE SHOWN