

Selector Switch Sub-Bases and Legend Plates General Instructions

For use at the room thermostat to accommodate switching functions such as heating to cooling, day to night control, etc. Device: Rugged one piece molded beige plastic housing. One or two slide switches are double-pole, double throw (DPDT) or double pole-4 position (DP4T) allowing numerous control possibilities. DP4T can be used as two or three position by installing switch legend plates that limit switch travel. Coded screw terminals for the switch contacts are accessible for up to two No. 14 gauge wire connections. See Figure 2.

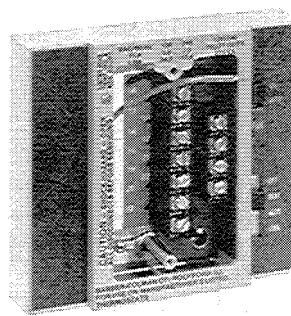
INSTALLATION

Use Class I wiring for connections to switch subbases and to room thermostat unless all circuits are powered from a Class II source. Make all connections in accordance with national and local codes.

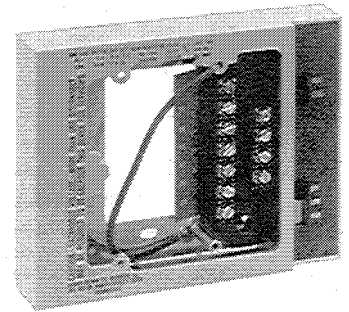
Install subbases on a flush switch box, a surface switch box or directly on a wall (for 24V applications only).

1. Pull the required wires.
2. If plastic conduit box is used, connect green wire from subbase to system ground, otherwise clip out the green wire.
3. Mount the subbase (see Figure 1). Screws are provided for switch box mounting.
4. Connect proper wires to subbase screw terminals. Push excess wire into conduit box, allowing field wires (if any) for room thermostat to project through opening in subbase.
5. Make all electrical connections to thermostats and install any jumpers as required. Refer to job wiring diagram and/or General Instruction Sheet for thermostat.
6. Install thermostat on subbase (see Figure 1).
7. To install switch legend plate on subbase strip the paper backing off and press plate into subbase.

Note: Legend plates must be ordered separately.



Typical Single Unit Sub-Base



Typical Duplex Unit Sub-base

Table-1

Part Number	Switch Description		Used With
	Upper Right	Lower Right	
AT-602		DP4T	All single electric room thermostats except HS-8X01, TA-121, TC-114, TP-810X, TP812X, TS-5191, TS-5711, TS-5811, TS-8101, TS-811X*
AT-603	DPDT	DP4T	
AT-607		DP4T	All duplex or two-stage electric room thermostats.
AT-608	DPDT	DP4T	

*Do not use selector switches for sensors.

Table-2 Total Electrical Rating of Each Sub-Base Switch*.

Volts (AC)	Inductive		Non-Inductive Amps	Pilot Duty (VA)
	Full Load Amps	Locked Rotor Amps		
24	5.8	34.8	6	125
120	5.8	34.8	6	125
240	2.9	17.4	3	125

*The total load on both poles of a switch must not exceed the total electrical rating.

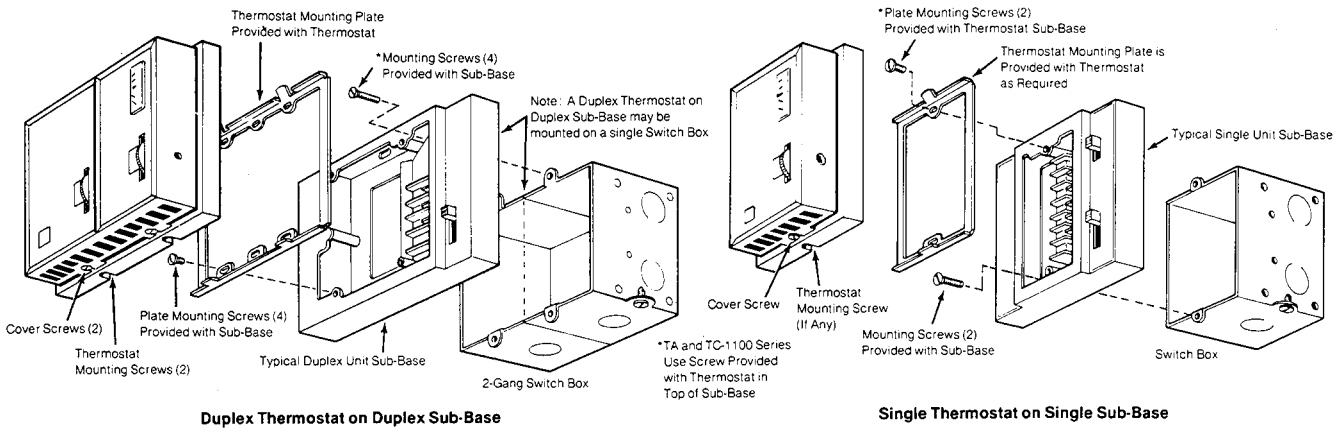


Figure-1

TYPICAL APPLICATIONS

THERMOSTAT CYCLES VALVE, SUMMER/WINTER CHANGEOVER THERMOSTAT, OFF-LOW-HIGH FAN SWITCH

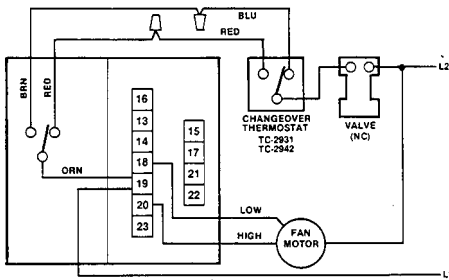


Figure-2 TC-1101, AT-602, AT-609-302.

THERMOSTAT PROVIDES SEQUENCED HEAT & COOL, ON-OFF SWITCH, OFF LOCKS OFF SYSTEM & FAN, LOW-MED-HIGH FAN SWITCH

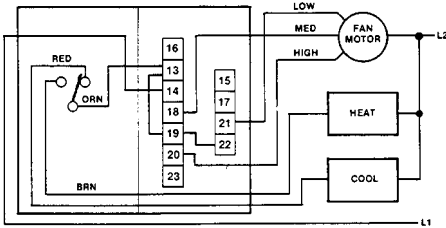


Figure-3 TC-1191, AT-603, AT-609-353.

THERMOSTAT PROVIDES SEQUENCED HEAT & COOL OFF-HEAT-AUTO-COOL SWITCH

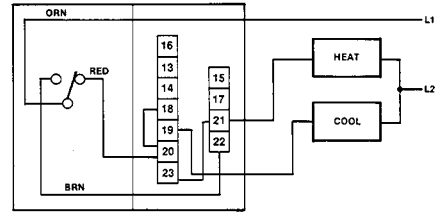


Figure-4 TC-1191, AT-602, AT-609-402.

THERMOSTAT CYCLES 2 STAGES HEAT AND 1 STAGE COOL, HEAT-COOL SWITCH, OFF-LOW-HIGH FAN SWITCH

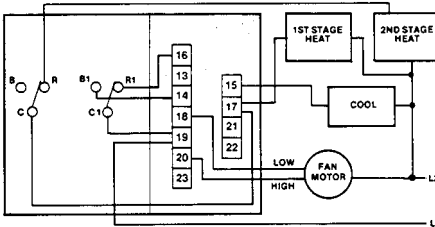


Figure-5 TC-154, AT-608, AT-609-352.

THERMOSTAT CYCLES HEAT & COOL, HEAT-COOL SWITCH, OFF-LOW-HIGH FAN SWITCH

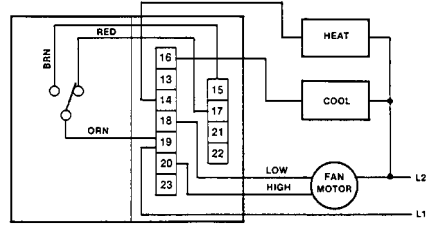


Figure-6 TC-1101, AT-603, AT-609-352.

THERMOSTAT CYCLES HEAT & COOL, HEAT-COOL SWITCH, OFF-LOW-HIGH FAN SWITCH

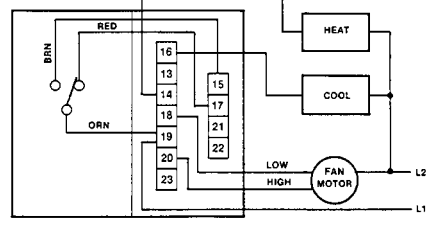


Figure-7 TC-1101, AT-602, AT-609-204.

AT-609-XXX

Legend Plates for Switch Sub-Bases

Various switch indicating plates are available and must be ordered separately. These have a brown simulated leather finish with bright letters and pressure sensitive backing for simplified field installation. Blank plate on left side of AT-602 & 603 is factory installed.

Table-1

Switch Position	Switch Action	Blank Plates*						Plates with Legends																						
		201	250	301	350	401	450	202	203	204	205	206	251	252	302	303	304	305	306	307	351	352	353	354	402	403	452	453	454	
A	DPDT		X		X		X						On Off	On Off								On Auto Fan	Heat Cool	On Off	On Off Fan			On Off Fan	On Off Fan	Sum Win
B	DP4T					X	X																		Off Heat Auto Cool	Off Low Med High	Off Heat Auto Cool	Off Heat Auto Cool	Off Low Med High	
C	**DP3T			X	X									Off Low High	Heat Off Cool	On Auto Off	Occu Off Unoc	Night Off Day	Off On Auto	Heat Off Cool	Off Low High	Low Med High	Heat Auto Cool							
D	**DPDT	X	X					On Off	Occu Unoc	Heat Cool	Night Day	Auto On	Low High	High Low																

* Special lettering can usually be printed on blank plates by local nameplate engravers if legends do not fit specific application.
 ** Legend plate limits travel of DO4T switch to provide DPDT or DP3T.

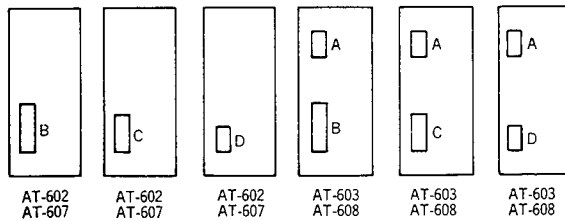


Figure-8 Switch Positions.

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