

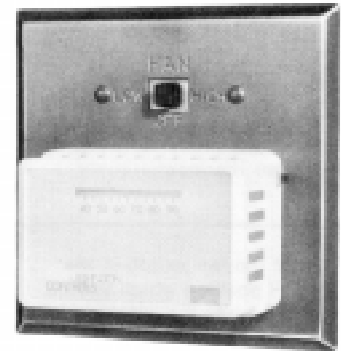
## S-7200 Fan Control Switch and Mounting Base for T-4000 Series Thermostats

The S-7200 is a combination fan speed selector switch and mounting base for Johnson T-4000 series pneumatic room thermostats. A three-position electrical switch marked LOW-OFF-HIGH and rated for 1/2 HP at 120 volts, 60 Hz is used to select the desired speed of the fan. The thermostat, horizontally mounted, controls the valve on fan coil units in accordance with room conditions; thermostat and cover must be ordered separately.

Included with the S-7200 is a brushed stainless steel wallplate assembly which is made up of the wallplate, 3-position switch, indexing mechanism and thermostat mounting bracket; and a wallplate adapter.

### Operation

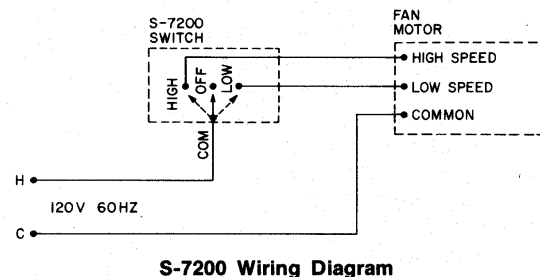
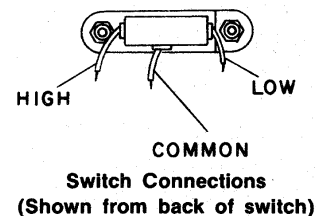
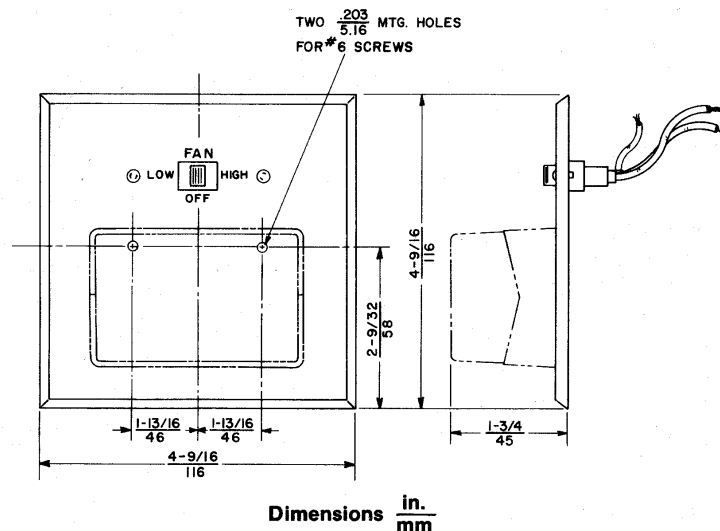
In the HIGH and LOW switch positions, the fan will run at the speed selected and the thermostat will control the valve to produce the desired coil output. The OFF position will stop the fan and the indexing mechanism will cause the thermostat to produce maximum output pressure to keep the valve in the fully closed position. This will prevent condensation within the unit. The S-7200 was designed for use with the reverse acting T-4002 and the T-4752. When the T-4752 is used, the OFF position will close the valve only on the cooling cycle; the thermostat will always be in control on the heating cycle.



S-7200 Fan Control Switch

### Mounting

The S-7200 is attached to a standard 4 in. square, 1-1/2 in. deep electrical wallbox with screws provided.



## Installation Instructions

The S-7200 consists of the following:

Wallplate Assembly  
Two #8-32 screws  
Wallplate Adapter

The following additional items must be ordered separately:

T-4002 Room Thermostat,  
reverse acting

or

T-4752 Room Thermostat,  
reverse acting, cooling  
direct acting, heating

Horizontal thermostat cover

1. Place the fan switch in the HIGH position which should fully actuate the indexing mechanism. (See Fig. 2).

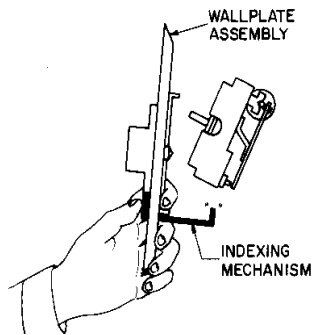


Fig. 2

2. Install and fasten the thermostat to the mounting bracket to check indexing operation.
3. Insure that the indexing mechanism depresses the bimetal firmly on the control port when the electric switch is in the OFF position and that the indexing mechanism is lifted off the bimetal when the electric switch is indexed to the HIGH or LOW position. If necessary, the indexing mechanism may be bent slightly to obtain this action (see Fig. 3a), or, it may be necessary to bend tabs (on back of switch)

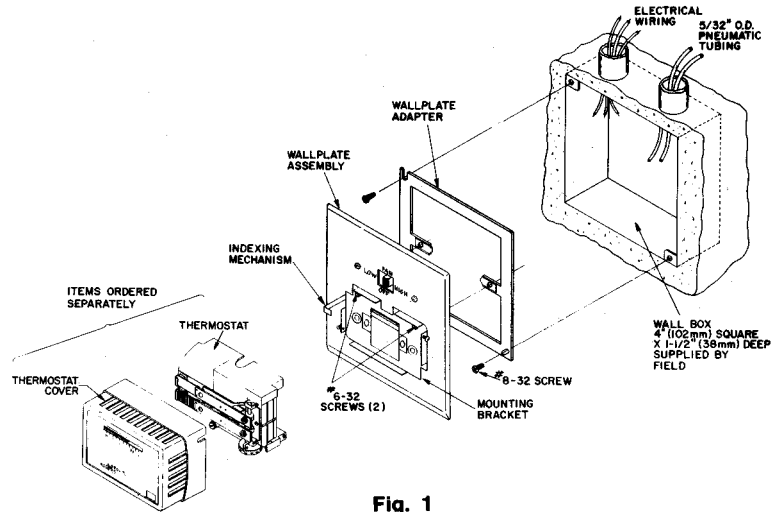


Fig. 1

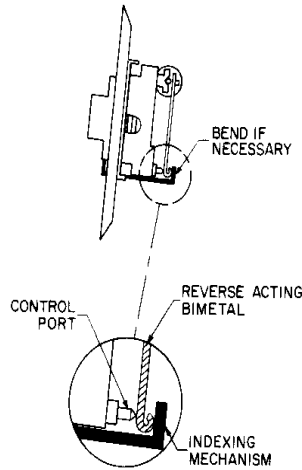


Fig. 3a

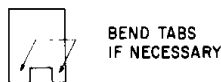


Fig. 3b

which make contact with detent (see Fig. 3b).

4. Remove thermostat from mounting bracket to facilitate installation of wallplate assembly.
5. Assemble wallplate adapter to wallbox using #8-32 screws supplied. Wallplate adapter must be aligned with sides of box (see Fig. 4).
6. Connect electric wires from wallbox to the switch (see Fig. 5).

7. Fasten wallplate assembly to the adapter using the two captive #6-32 screws. Retaining washers may be removed from screws to facilitate locating screws into Tinnerman clips on wallplate adapter. Straighten wallplate assembly on wall and tighten screws.
8. Connect polyethylene tubing from wallbox to thermostat terminals. Assemble thermostat to mounting bracket as in steps 1-3. Attach thermostat cover.

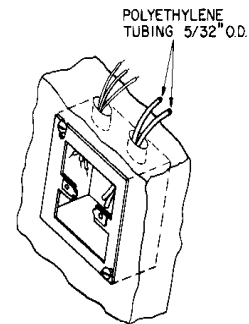


Fig. 4

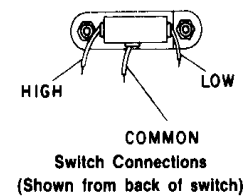


Fig. 5

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