

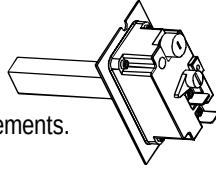


Sealed Units Parts Co., Inc
PO Box 21, Landmark Place
Allenwood, NJ 08720 USA
www.supco.com

COMBINATION FAN/LIMIT CONTROL



SERIES. FAL
CAM-STAT INC.



The FAL Series Control is a combination temperature-start blower control and limit control. It is designed to control both the blower (at adjustable setting) while limiting the safe operating temperature of the furnace (at predetermined Settings) to meet individual manufacturer requirements. It incorporates the best features of a temperature actuated blower controls.

To replace, check the cut-out temperature of FAL unit that is removed from the furnace and set the "Fan Off" pointer and limit on the replacement unit to match these temperature settings. The Fan Differential (black knob) adjusts the fan on to be 20 to 50° above the fan off temperature (white pointer). The knob has the letters "A,B,C" embossed into the top. "A" is the lowest setting and "C" the highest. Turn knob to achieve desired differential.

Fan Control Operation

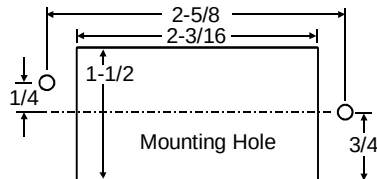
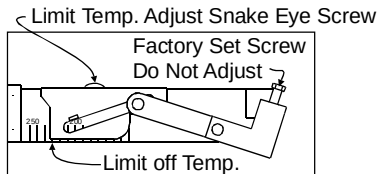
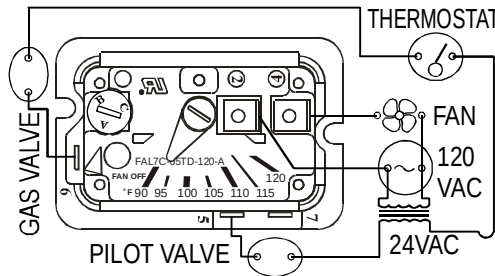
SPST	Automatic recycling. Closes contacts 4 & 2 on temperature rise.		
SPDT	Automatic recycling. Closes contacts 4 & 2 and opens contacts 4 & 1 on temperature rise.		
Load Rating	Terminals	Current Rating (amps)	
		120 VAC	240 VAC
Inductive	4 & 2 N.O.	13.8 FLA (¾ HP)	8.0 FLA (1 HP)
		82.8 LRA	48.0 LRA
Inductive	4 & 1 N.C. (SPDT)	5.8 FLA (¼ HP)	2.9 FLA (¼ HP)
		34.8 LRA	17.4 LRA
Non-Inductive	4 & 2 N.O.	25 (3000 watts load)	25 (6000 watts load)
Pilot Duty	4 & 2 4 & 1	40 VA @ 30, 120 and 240 VAC	

Limit Control Operation

Load Rating	Terminals	Current Rating (amps)	
		120 VAC	240 VAC
Inductive	5 & 6 N.C.	4.4 FLA (1/6 HP)	2.2 FLA (1/6 HP)
		26.4 LRA	13.2 LRA
Pilot Duty	6 & 7 N.O.	30VAC - FLA 40VA 120VAC - FLA 125VA	

WIRING

1. All wiring must conform to local electrical ordinances.
2. A typical connection is shown in the Wiring diagram.



Cross Reference for OEM Parts

MODEL	REPLACES
FAL3C-05TD-120A	All SPST FAL3 (3" Long)
FAL7C-05TD-120A	All SPST FAL7 (7" Long)
FAL7C-20BT-120AB	All SPDT FAL7 with last letter "B"

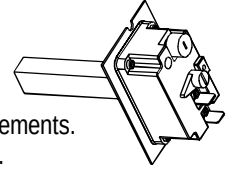


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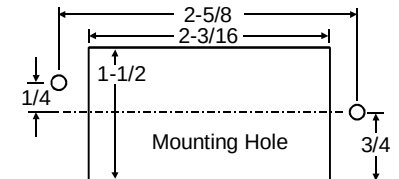
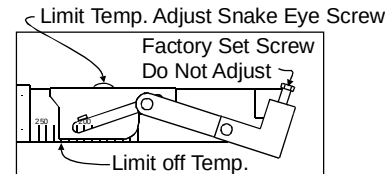
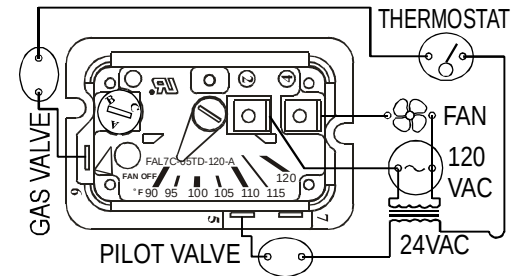
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