

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

COMBINATION **FAN/LIMIT CONTROL**

SERIES, FALTS CAM-STAT INC.

Limit Control Operation

5 & 6

N.C.

6 & 7

N.O.

2-5/8

2-3/16

Mounting Hole

1. All wiring must conform to local electrical ordinances.

2. A typical connection is shown in the Wiring diagram.

Load Rating

Inductive

Pilot

Duty

PILOT VALVE

1-1/2

Current Rating (amps)

4.4 FLA (1/6 HP) 2.2 FLA (1/6 HP)

30VAC - FLA 40VA

120VAC - FLA 125VA

THERMOSTAT

120

VAC

24VA(

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240 VAC

13.2 LRA

120 VAC

26.4 LRA

The FALTS Series Control is a combination time-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 both the temperature actuated and time delay actuated blower controls. This universal replacement combination control is equipped with 1/4" spade quick connect terminals and adjustable knobs to permit temperature settings to conform to the unit being replaced. For replacements, check the cut-out temperature of the FALTS unit that is removed from the furnace and set the "Fan Off" pointer and limit on the replacement unit to match these temperature settings.

WIRING

Fan Control Operation

i an 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	Terminals	Current Rating (amps)				
Rating		120 VAC	240 VAC			
Inductive	4 & 2	13.8 FLA (¾ HP)	8.0 FLA (1 HP)			
	N.O.	82.8 LRA	48.0 LRA			
Inductive	4 & 1 N.C.	5.8 FLA (¼ HP)	2.9 FLA (¼ HP)			
	(SPDT)	34.8 LRA	17.4 LRA			
Non-	4 & 2	25 (3000	25 (6000			
Inductive	N.O.	watts load)	watts load)			
Pilot	4 & 2	40 VA @ 30, 120				
Duty	4 & 1	and 240 VAC				

Heat Assist rating: 24 VAC - 0.08 Amps

Limit Temp. Adjust Snake Eye Screw Factory Set Screw Do Not Adjust Limit off Temp

Cross Reference for OEM Parts MODEL **REPLACES**

FALTS57C-05T-120A FALTS without element shield. FALTS57C-65T-120A FALTS with element shield. FALTS57C-13BT-120A FALTS with "BT" in P/N.

Note: The FALTS57C-05T-120A metal guard is open on one side.

(The internal components are visible.)

The FALTS57C-65T-12A metal guard has an element shield spot welded to the guard.

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(The internal components are not visible.)

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COMBINATION **FAN/LIMIT CONTROL**

> SERIES. FALTS CAM-STATING.

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Inductive	N.O.	watts load)	watts load)			
Pilot	4 & 2	40 VA @ 30, 120 and 240 VAC				
Duty	4 & 1					

Heat Assist rating: 24 VAC - 0.08 Amps

Limit Control Operation

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

120

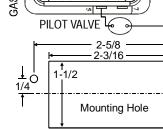
VAC

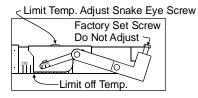
24VA

3/4

WIRING

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Note: The FALTS57C-05T-120A metal guard is open on one side.

(The internal components are visible.)

The FALTS57C-65T-12A metal guard has an element shield spot welded to the guard. (The internal components are not visible.)

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