



HYDROLEVEL
COMPANY

Oil Furnace Control

Model OFC-5023

Oil Furnace Fan Timer Control for 2 or 3 Speed PSC Motors

Direct Replacement

- UTEC Models 1158-100, 110, 120
- Resideo ST9103A
- Does not replace Hydrolevel Model OFC-5031*

Easy to Understand Status LEDs

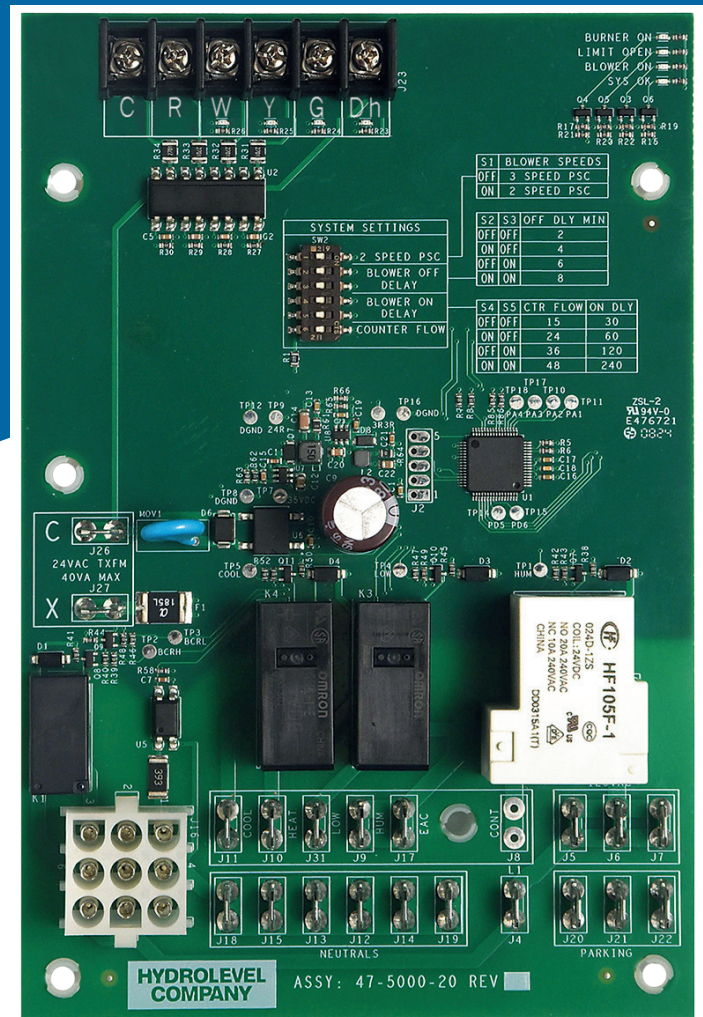
Burner On • Limit Open • Blower On • System OK

Field Adjustable Settings for Blower Delay ON/OFF And Counter Flow

- Blower ON Delay (seconds): 30, 60, 120, 240 secs
- Blower OFF Delay (minutes): 2, 4, 6, 8 min
- Counter Flow (seconds): 15, 24, 36, 48 secs

Industry Standard Wiring Terminals & Relays

- Thermostat terminal block
- 9-pin connector for oil burners
- Fan speed staging terminals
- Industry standard relays for continuous reliability



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LITERATURE AND MORE!

Technical Specifications

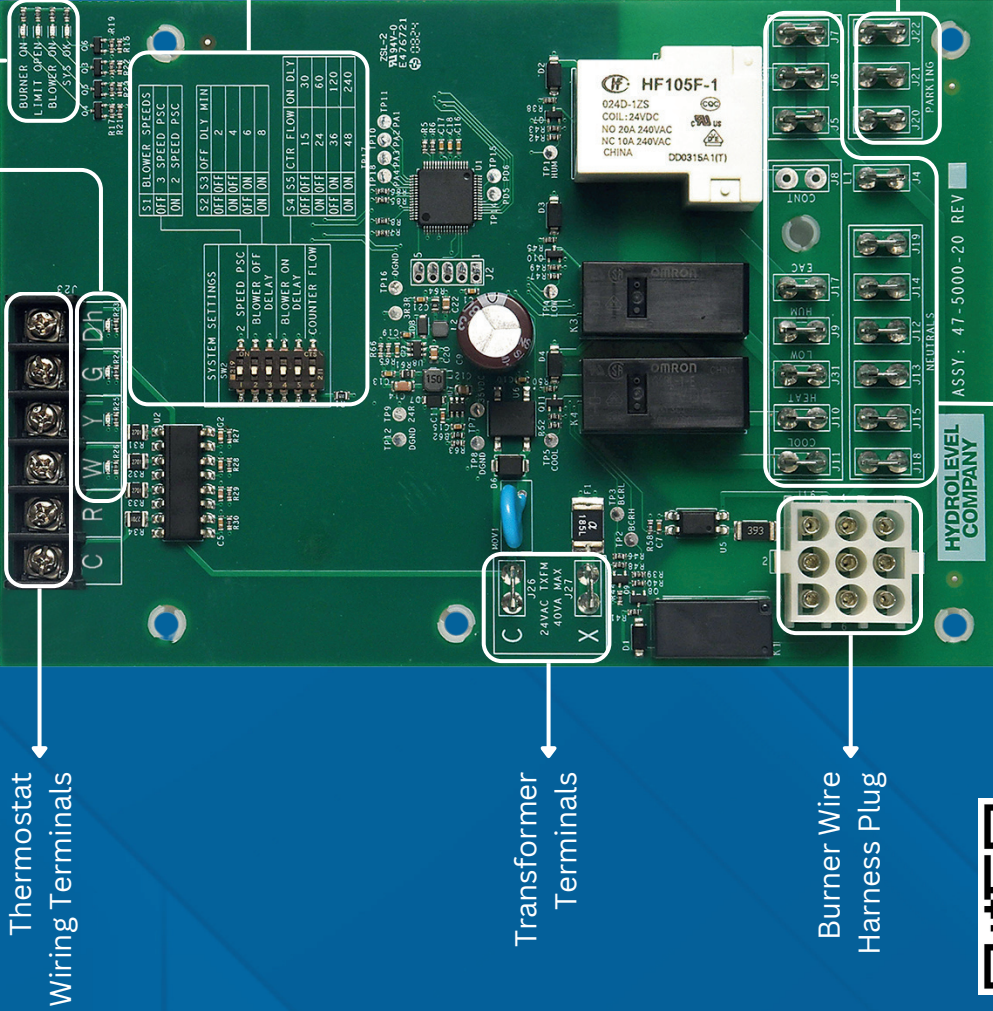
Part # 47-50231

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Input Line Voltage	120vac, 60hz
Humidifier (HUM)	1A at 120vac
Electronic Air Cleaner (EAC)	1A at 120vac
Blower Outputs: <i>Cool, Heat, Low and Continuous fan (cont)</i>	3/4HP (maximum)

Transformer Input (X-C)	24vac, 60hz, 40va typical
Thermostat	24vac, 60hz
Dehumidifier (Dh)	24vac, 60hz
Parking	no connection

OFC Fan Timer Control Board Layout



Thermostat
Wiring Terminals

Transformer
Terminals

Burner Wire
Harness Plug

Line Voltage Terminals:

COOL, HEAT, LOW, HUM, EAC & Neutrals

Connect Unused Wires
to the Parking Terminals

Operational LEDs

- **W, Y, G, Dh (Thermostat Terminals)**
When lit, indicates thermostat has sent a signal to the specified terminal
- **BURNER ON (Solid)**
Controller has sent a signal to the burner to run
- **LIMIT OPEN (Flashing)**
Normally closed furnace limit circuit is open
- **BLOWER ON (Solid)**
Controller has energized the blower motor
- **SYS OK**
 - **Flashing** - The control has passed all internal self-checks and is operational
 - **Solid** - The control has failed a self-check and will not function
 - **Off** - Indicates a problem in the 24VAC circuit.

SYSTEM SETTINGS	
SW2	ON
1	OFF
2	ON
3	OFF
4	ON
5	OFF
6	ON
2 SPEED PSC	
BLOWER OFF DELAY	
BLOWER ON DELAY	
COUNTER FLOW	

S1	BLOWER SPEEDS
OFF	3 SPEED PSC
ON	2 SPEED PSC

S2	S3	OFF DLY MIN
OFF	OFF	2
ON	OFF	4
OFF	ON	6
ON	ON	8

S4	S5	CTR FLOW	ON DELAY
OFF	OFF	15	30
ON	OFF	24	60
OFF	ON	36	120
ON	ON	48	240

S6	CTR FLOW ON/OFF
OFF	CTR FLOW OFF
ON	CTR FLOW ON



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