Beckett

GENISYS® 120V ADVANCED BURNER CONTROL 7565

works with myTechnician®

PRODUCT SHEET

Product Description

The Beckett GeniSys® 7565 Advanced Burner Control is a 120VAC primary safety control for residential and light commercial oil burners used in boiler, furnace, and water heater applications having firing rates less than 20 gph. The GeniSys is used with the Beckett 7006-series CAD cell or equivalent flame sensor to control the oil burner motor, igniter, and optional solenoid valve. It has 24VAC thermostat terminals compatible with both mechanical and many power stealing thermostats. It can also provide interrrupted or intermittent duty ignition.

Features & Benefits

- ***Last 50 cycles and last 15 faults history***
- ***Compatible with burners running #2 fuel oil, up to 100% biodiesel, and up to 100% renewable diesel***
- ***Separate inputs for combustion air and blocked vent***
- ***Enhanced diagnostics and programming through the myTechnician® app***
- ***Configurable for interrupted or intermittent ignition operation***
- ***Configurable timings for valve-on delay (or "pre-purge") and motor-off delay (or "post-purge")***
- ***Eight status lights provide hands-free understanding of burner operation***
- ***Pump prime mode for technicians***
- ***Extra terminal for compatibility with smart thermostats***
- ***Upon request, sends live control data and history to R.W. Beckett Technical Support when troubleshooting***
- ***Auto-configures valve-on delay timing for a solenoid valve upon detection***

This control is compatible with the myTechnician® ecosystem and works with the myTechnician® App which enables a technician to monitor the current status, control timing, burner cycle history, and program the control variables directly from his/her phone.

myTechnician™

The myTechnician® app is capable of communicating with myTechnician® compatible devices and presenting diagnostics and troubleshooting information related with them. The myTechnician® app is available for both iOS and Android operating systems.

To learn more, please scan this code:

Beckett®

Top and Front Face 24 VAC Connections

NOTE: All front connections are low voltage, 24 VAC connections

Thermostat Red (TR)
Thermostat White (Tw)
Thermostat COMMON (Tc)*
Air switch input (24VAC)*
Air switch input (24VAC)*

Asterisk = If installed

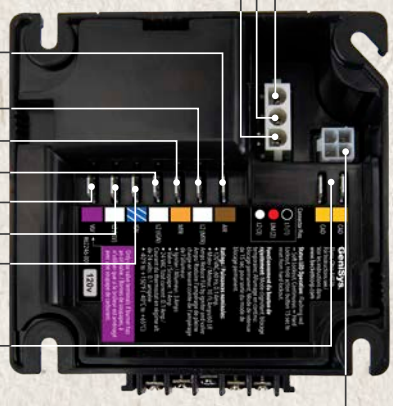
Status Lights (8)

ACTION Button

Under Side 120 Vac Connections

NOTE: All under side connections are 120 Vac.

Power Connector
L1 (black)
Limit (red)
L2 (white)
Air switch input (120VAC)*
L2 (Motor)
Motor
L2 (Igniter)
Valve*
L2 (Valve)*
Igniter
CAD Cell
CAD Cell



Asterisk = If installed

Reserved for Future Use

Cross-Reference Chart

Use the myTechnician® app to make changes to the valve-on (pre-purge), motor-off (post-purge), or other control parameters.

GeniSys Control Part No.	Lockout Time	Valve-on delay time	Motor-off delay time	Replaces Honeywell:	Replaces Carlin:
7565	15 sec	-	-	R7184A, R8184G, R7284G	48245, 40200 42230, 50200
	15 sec	15 sec	-	R7184B, R7284B	-
	15 sec	15 sec	15 sec	R7184P, U R7284P, U	60200, 70200
	15 sec	15 sec	30 sec		
	15 sec	15 sec	2 min		

Electrical Ratings

Power
Voltage: 120 VAC Nominal (102 to 132 VAC)
Current: 100 mA plus burner motor, igniter, and valve loads
Frequency: 60 Hz

Inputs

Thermostat Anticipator Current: 0.1 A
Thermostat Voltage: 24 VAC
Combustion Air/Blocked Vent
- (Front side): 10mA @ 24VAC min
- (Underside): 1.9mA @ 120VAC min

Outputs
Motor: 120 Vac, 10 full load amps (FLA*), 60 locked rotor amps (LRA)
Note – Reduce motor FLA rating by igniter and valve currents

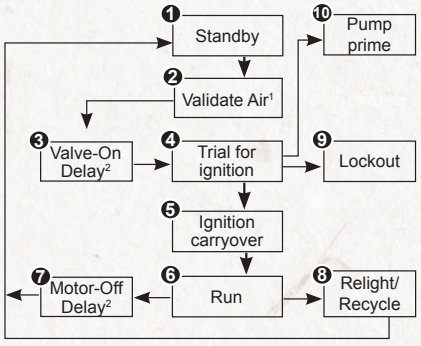
Igniter: 120 Vac, 3 A
Solenoid Valve: 120 Vac, 1 A

Environmental Ratings
Storage Ambient Temp.: -40°F to +150°F (-40°C to +65°C)
Operating Ambient Temp.: -40°F to +150°F (-40°C to +65°C)
Moisture: 5 to 95% RH, non-condensing and non-crystallizing

Approvals: Underwriters Laboratory Recognition per UL 60730-1, UL 60730-2-5, CSA E60730-1, C22.2 NO. 60730-2-5

Operation

Sequence of Operation



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www.beckettcorp.com 04/23 Form No. 62265-001, R3

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