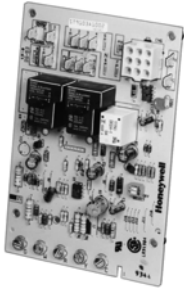


ST9103 Electronic Fan Timers



ST9103A integrates control of burner and circulating fan operations in an oil furnace.

- Central appliance wiring point simplifies appliance assembly and service.
- Fixed or field-adjustable heat fan on delay; field adjustable heat fan off delay.

Application: A single circuit board providing combustion air blower control, two speed circulating air blower control, oil primary control, limit circuit inputs, thermostat wiring terminations, & a central appliance wiring point for an oil fixed furnace.

Electrical Ratings: 18 to 30 Vac

Frequency: 60 Hz; 50 Hz

Approvals:

Canadian Standards Association: Certified: File No. LR95329-17

Underwriters Laboratories, Inc. Listed: Report MP466

Residential
Combustion Controls

Product Number	Heat Fan On Delay	Heat Fan Off Delay	Cool Fan On Delay	Cool Fan Off Delay	Ambient Temperature Range		Replaces
					(F)	(C)	
ST9103A1002	fixed, 45 sec	adj. 60, 90, 120, 150 sec (set at 150 sec)	fixed 0 sec	fixed 0 sec	-40 F to +150 F	-40 C to +66 C	ST9103A1002

ST9120 Electronic Fan Timers



The ST9120U Universal Electronic Fan Timers integrate control of all combustion blower and circulating fan operations in a gas warm air appliance. This control is the central wiring point for most of the electrical components in the furnace. The basic purposes of the ST9120U are to monitor the thermostat for heat, cool and fan demands, run the induced draft blower motor and run a circulating fan (up to two speeds) as required. The ST9120U also monitors limit switch strings and energizes separate ignition control systems through pressure switches. The ST9120U can replace any ST9101, ST9120, ST9141 or ST9160 listed in Table 3 below. The ST9120U features a field-adjustable heat fan-on delay, a field-adjustable heat fan-off delay, a field adjustable cool fan-on delay and a field-adjustable cool fan-off delay.

Electronic air cleaner (EAC) and humidifier (HUM) convenience terminal connections and continuous low speed indoor air circulation are provided.

Application: Integrates control of combustion blower and circulating fan operations for a gas warm air appliance

Electrical Ratings: 18 to 30 Vac

Frequency: 60 Hz; 50 Hz

Approvals:

Canadian Standards Association: Certified: File No. LR95329-17

Underwriters Laboratories, Inc. Listed: Report MP466

Product Number	Heat Fan On Delay	Heat Fan Off Delay	Cool Fan On Delay	Cool Fan Off Delay	Ambient Temperature Range		Replaces
					(F)	(C)	
* ST9120U1011	adj. 30, 60 sec (set at 30 sec)	adj. 60, 120, 150, 180 sec (set at 120 sec)	adj. 4, 30 sec (set at 4 sec)	adj. 30, 60 sec (set at 30 sec)	-40 F to +175 F	-40 C to +79 C	all ST9101's, all ST9120's, all ST9141's, and all ST9160's

* TRADELINE models • SUPER TRADELINE models