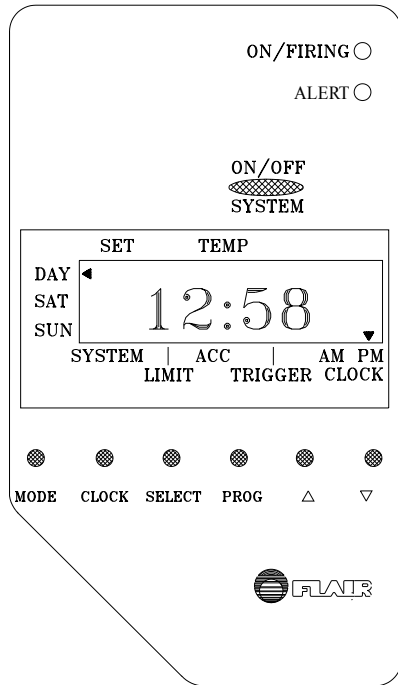


ELECTRONIC PROGRAMMABLE
CONTROLSTAT series CSPS

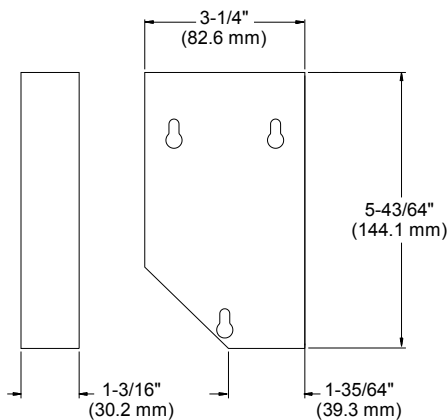
For programmed, timed control of single stage oil and gas fired and electric boilers, furnaces and water heaters.



BENEFITS & SPECIAL FEATURES

- Set and display system temperatures.
- Display temperatures in F° or C°.
- Control, monitor, and display high limit.
- Set minimum required temperature for auxiliary an or pump output.
- Select from or average two sensors.
- 4 daily programs for M-F, Sat. and Sun.
- Digital 12/24 hour real time clock.
- Five year lithium battery.
- Large, easy to read, LCD display.
- System status indicators.
- Constant and resetable hour meters for routine maintenance reminders.
- Efficiency measurement.
- Learned response feature adjusts for changing demands and response times.
- Manual on/off override.
- Hold mode—overrides program for up to 31 days or continuous.
- Accessory input can be attached to filter monitor, fuel sensor, or Flair Flame Quality Indicator (FQI) or other device.
- High and low limit alert and accessory input can be connected to external security system signalling device or dialer.
- Vent/Flue and Combustion Air Dampers (oil and gas models only) interlocked to combustion circuit—open prior to combustion.

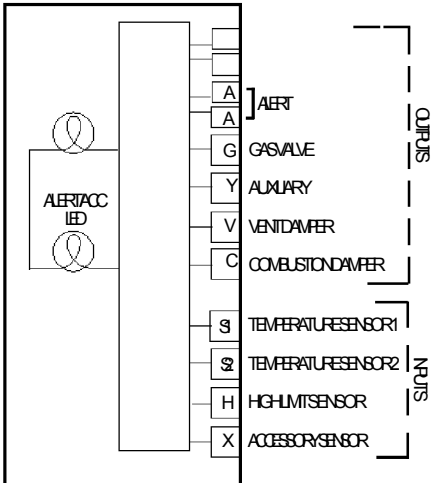
DIMENSIONS



SPECIFICATIONS

Operating Voltage:	24, 115 vac (-15%, +10%, 50-60 Hz)
Temperature Differential:	approximately ±0.8°F (.4°C)
Sensor System:	Negative Temperature Coefficient (NTC)
Type:	Duct, Well, or Surface mount
Quantity:	up to 2
Switches:	
Push-button:	MODE/CLOCK/SELECT/PROG/UP/DOWN
Push-button:	SYSTEM: ON/OFF
Indicator LED's:	ON (Steady Green) / FIRING (Flashing Green)
	ALERT (Flashing Red) / PRIOR ALERT (Steady Red)
Display:	LCD, 4 character, .5" (1.27 cm) height.
Alert function:	Triggers relay while accessory input is activated and/or high or low limit is exceeded.
Dimensions:	5 ⁴³ / ₆₄ x 3 ¹ / ₄ x 1 ³ / ₁₆ Inches (144.1 x 82.6 x 30.2 mm)

MODEL NUMBERS AND DESCRIPTIONS FOR VARIOUS APPLICATIONS



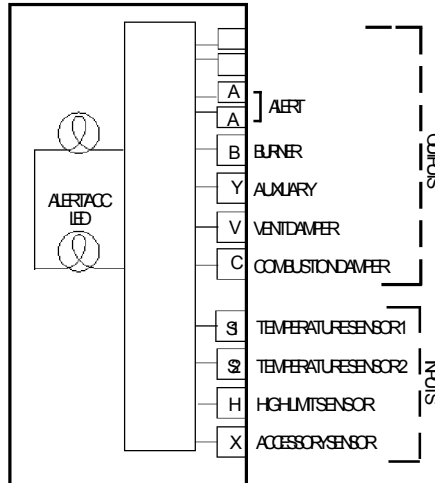
Model Number For:
 Gas Boilers CSPSPGB02
 Gas Furnaces CSPSPGF02

Temperature Range:
 System: 100 °F - 210 °F
 High limit: 180 °F - 220 °F
 Accessory: 100 °F - 180 °F

Gas Water Heaters CSPSPGW02

Temperature Range:
 Operating range: 100 °F - 160 °F
 High limit: 180 °F
 Accessory: 100 °F - 140 °F

Switching Current at 24 VAC:
 Gas valve: 1 A
 Auxiliary: 10 A
 Damper: 1 A
 Weight: .4 lbs. (880 g)



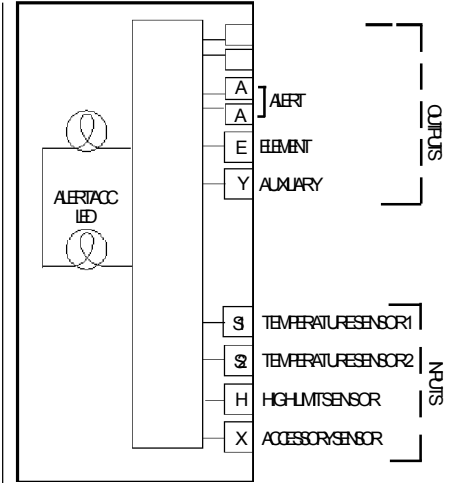
Model Number For:
 Oil Boilers CSPSOB04
 Oil Furnaces CSPSOF04

Temperature Range:
 System: 100 °F - 210 °F
 High limit: 180 °F - 220 °F
 Accessory: 100 °F - 180 °F

Oil Water Heaters CSPSOW04

Temperature Range:
 Operating range: 100 °F - 160 °F
 High limit: 180 °F
 Accessory: 100 °F - 140 °F

Switching Current at 120 VAC:
 Burner: 10 A
 Auxiliary: 10 A
 Damper: 1 A
 Weight: .4 lbs. (880 g)



Model Number For:
 Electric Boilers CSPSEB04
 Electric Furnaces CSPSEF04

Temperature Range:
 System: 100 °F - 210 °F
 High limit: 180 °F - 220 °F
 Accessory: 100 °F - 180 °F

Electric Water Heaters 120VAC CSPSEW04
 Electric Water Heaters 230VAC CSPSEW07

Temperature Range:
 System: 100 °F - 160 °F
 High limit: 180 °F
 Accessory: 100 °F - 140 °F

Switching Current at 120 VAC:
 Element Relay: 1A
 Auxiliary: 10A
 Weight: .4 lbs. (880 g)

ACCESSORIES

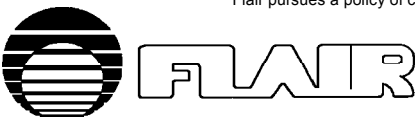
Temperature Sensor:	
Duct mount	TX101012
Immersion (well)	TX101031
Surface mount	TX101041
Leak Sensor	TX107001
Auxiliary Relays	
SPST 24/24 VAC 10 amps	
SPST 24/120 VAC 10 amps	
SPST 120/120 VAC 10 amps	
Transformers:	
40 VA	TR140100
20 VA	TR120100
Relay Transformers:	
20 VA (2) SPST 120 VAC relay	TR440200
20 VA (1) SPST 120 VAC relay	TR440300
40 VA (1) SPST 24 VAC relay & (1) SPST 120 VAC relay	TR440100

REFERENCES

For More Information On:	See:
Other controllers for multi-stage and proportional systems	This section
Sensors	This section
Zone Actuators	Star Actuator section
Zone Valves	Star Valve section
Wiring Panels	Control Panels section
Weather Compensation Controls	Weather Compensation Controls section
Warranty & pricing	Pricing and terms section



Flair pursues a policy of constant improvement. For this reason, all specifications are subject to change without notice.



FLAIR INTERNATIONAL CORPORATION

600 Old Willets Path • Hauppauge, New York 11788 • Tel: (516) 234-3600 • Fax: (516) 234-3610

CSPSP2