

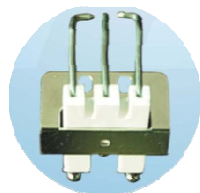
INFRARED GAS BURNER CONTROL

Oven's temperature can be controlled through various methods ;

The most simple and economic method is **On/Off** which burners are turned off when temperature reached the target and reignited after it drops lower than setting. Operator can apply tolerance between set temperature value preventing of burner on-off too frequency.

Another method is **High/Low/Off** which two solenoid gas valves are functioned. Both valves open when burners working at High-fire mode or temperature lower than set point. Once oven's temperature reached the target, a valve will be closed and the burners operated at Low-fire maintaining temperature. However, if the temperature still increase over high limit, the burners will be automatically turned off.

Other method is **Modulating**. The system applies a motorized gas valve to control heat input through supply gases which received process signal 4-20mA or 0-10 VDC for real time adjusting. This method offers precious temperature control and less gas consumption.



	Standard equipment	Options
Number of burner	✓ 4, 6, 8, 16	● Customized
Control voltage	✓ 230V	● 110V
Heat output control option	✓ On/Off	● Time Delay Off
	✓ High/Low/Off	● RS-485 Real-time
	✓ Modulating	● Profile Monitoring
Thermocouple (Teflon Max 265°C)	✓ Air - Oven Wall Mount	● Magnetic Surface
	✓ Surface - Exposed Junction	● Clamp Surface

* System is specially designed for powder coating paint oven which cure specification can be achieved.