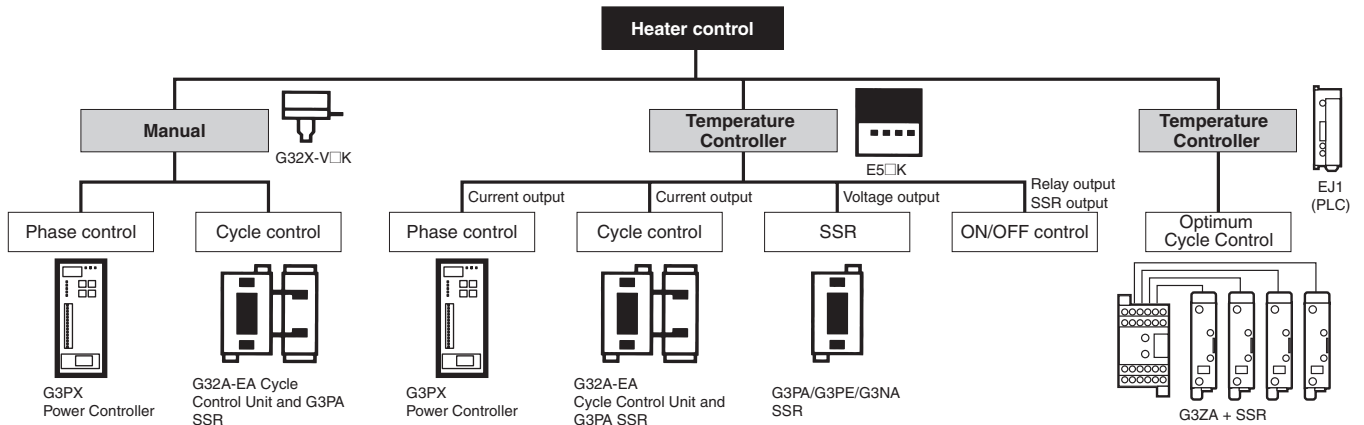
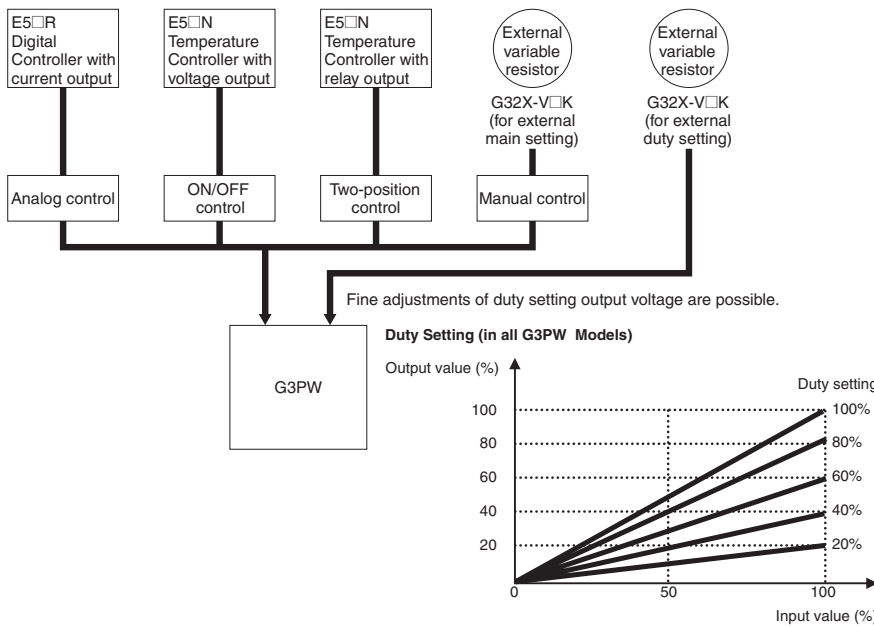


Overview of Power Controllers

■ Heater Control Types



■ G3PW Control Methods



Analog Control

The change in current output of the Temperature Controller between 4 and 20 mA is used for precise heater control by the G3PX, which outputs smoothly adjusted power. Fine adjustments of the heater temperature are possible with external or internal duty setting.

ON/OFF Control

The voltage output of the Temperature Controller is used for ON/OFF heater control. Fine adjustments of the heater temperature are possible with external or internal duty setting.

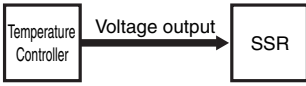
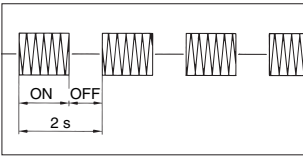
Two-position Control

The high level and low level of the output are freely set with an external variable resistor, either of which is selectable with the relay output of the Temperature Controller.

Manual Control

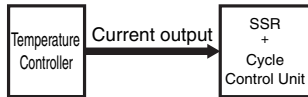
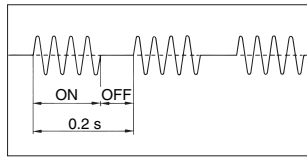
Output adjustments are possible with an external variable resistor.

ON/OFF Control



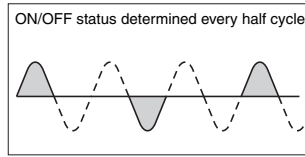
Enables noiseless temperature control at low cost with no complicated maintenance work required.

Cycle Control



Noiseless, high-speed response

Optimum Cycle Control (High-accuracy zero-cross control)

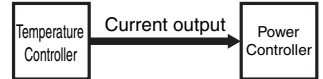
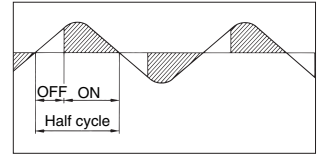


Multi-channel heater control using communications.

High-speed response with no noise.

Note: Optimum cycle control can be achieved with the G3PW as well.

Phase Control (Single-phase Model)



Highly accurate temperature control enables each heater to withstand long use.