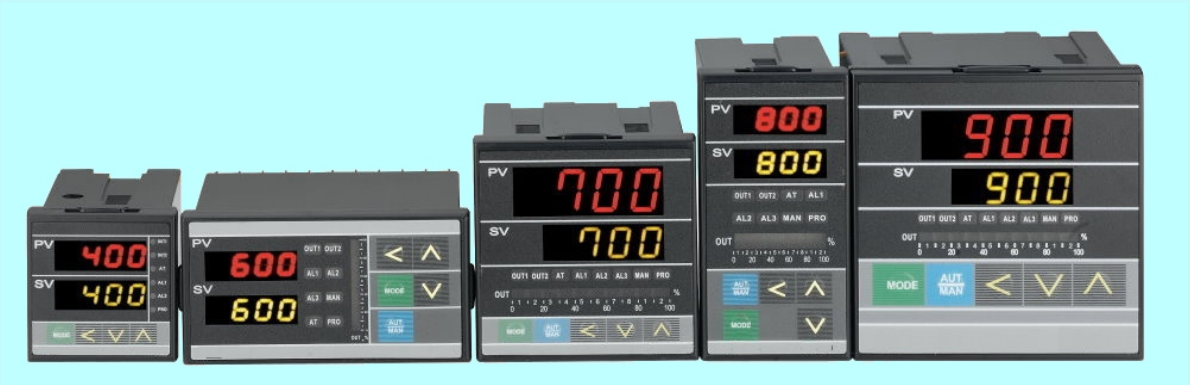
Microprocessor PID Controller



WLKC400 WLKC600 WLKC700 WLKC800 WLKC900

The WLKC Series Microprocessor PID Controllers are highly reliable and accurate digital controllers that are very suitable for critical HVAC control requirements such as clean rooms, isolation rooms, laboratory, central plants, and utilities. The industry grade control performance provides versatile input selections and PID plus fuzzy functions.

FEATURES

- Multi range input (TC, RTD, mV, mA). Each 14 bit resolution.
- Fuzzy / PID control , with two individual outputs
- Three sets of alarm. Each one has 17 modes.
- Implement Zero / Phase control by trig SCR module Directly
- E2PROM Non-volatile memory.
- RS232 and RS485 communication.
- Self-diagnosis function.
- Auto-zero and Auto-span circuit keep good accuracy.
- Free range voltage AC85 ~ 265V / DC15 ~ 50V.
- Data lock function.
- Auto / Manual output mode.
- Output percent showing with 10 LED.
- Input 2 can be used in Remote SV.

SPECIFICATIONS

- Power supply: AC85 to 265V 50/60HZ
- Power consumption: About 4VA
- Memory element: E2 PROM
- Display accuracy: Within 0.2% of displayed value + 1 digit
- Sampling time: 250 ms
- Input signal: Thermocouple, RTD, DC, Voltage/current
- Isolation: Output part (control, alarm, transfer) and input part (measuring, CPU) are isolated separately.
- Dielectricity: Measuring terminal-grounded terminal AC 1000V, 1 min. Power supply terminal-grounded terminal AC 1500V, 1min.
- Isolated resistance: Measuring terminal-grounded terminal DC 500V more than 10MΩ Power supply terminal-grounded terminal DC 500V > 10 MΩ
- Operating temperature: 0 ~ 50℃
- Storage temperature: -25 ~ 65℃
- Humidity range: 50 ~ 85% RH (not dew)
- Net weight: WLKC400 approx 150g , WLKC600/WLKC700/WLKC800 approx 225g , WLKC900 approx 300g

MODEL & SUFFIX CODES

Model	Output1	Output2	Alarm	TRS	Remote SV	Communication		Input Type		Power
WLKC400	1	0	1	0	0	0	—	K2	—	A
WLKC400 WLKC600 WLKC700 WLKC800 WLKC900	0=None 1=Relay 2=Voltage Pulse (SSR Drive) 3=4-20mA 4=0-20mA A=0-5V B=0-10V C=1-5V D=2-10V	0=None 1=Relay 2=Voltage Pulse (SSR Drive) 3=4-20mA 4=0-20mA A=0-5V B=0-10V C=1-5V D=2-10V	0=None 1=1 Set 2=2 Set 3=3 Set	0=None 1=4-20mA 2=0-20mA A=0-5V B=0-10V C=1-5V D=2-10V	0=None 1=4-20mA 2=0-20mA A=0-5V B=0-10V C=1-5V D=2-10V	0=None A=RS232 B=RS485		See Input Codels		A=AC85-265V B=DC24V