AI 518 PID CONTROLLER

ECONOMICAL   **VERSATILE**

- Compact Design: 48x48x95mm (others available)
- Smart Temperature Control
- Universal Input, K, S, R, E, J, N, PT100, V/mV, mA
- Modular Output Standard: Relay/SSR/Triac/Linear mA
- Control Mode, ON/OFF, PID, APID with AT (Auto-Tuning)
- RS-485 communications
- Analogue re-Transmission
- 30 Segment programmer (AI-518P)
- Alarm function
- Heat or Cool control
- Power supply: 100/240VAC, 50/60HZ
- Power Consumption: ≤3W
- Ambient: -10to+60   , 0-90 %RH

APPLICATIONS

**Plastic Extruders
Ovens & Furnaces
Food Machinery
Die Casting**

AI 518 PID CONTROLLER

The Ai518 is a series of generic build instruments, bringing together a range of options with solid engineering, simple functionality and low cost of ownership.

With the construction-offering plug in boards the field upgrade becomes a major bonus over fixed build versions.

Targeted to solve applications in a wide range of industries the 518 series includes a clear and informative front display, with large dual colour readouts for both set point and process variable. Simple key handling completes a user-friendly product that has a long 3-year warranty to back it up.

Specification

Dimensions (W x H)

AI-518D2	48 x 48mm	maximum number of outputs **3**
AI-518F	96 x 48mm	maximum number of outputs **5**
AI-518E	48 x 96mm	maximum number of outputs **5**
AI-518D	72 x 72mm	maximum number of outputs **4**
AI-518A	96 x 96mm	maximum number of outputs **5**

Inputs

Thermocouples	K, J, R, E, N, S
Linear Volts	0-5V, 1-5V, 0-1V, 0-100mV, 0-20mV
Linear current	0-10mA, 0-20mA, 4-20mA
RTD	PT100

Control Outputs

Relay	2A / 250V
SSR Drive	0 to 12VDC
TRIAC	Zero Crossing Trigger
Linear	mA 0-20, 4-20
Alarm Outputs	Relay -1A / 250V
Power Supply	100~240VAC (50/60Hz) or 24VDC
Accuracy	FS +/-0.3%, Sample Time : 500ms
Resolution	0.0ºC / 0.0ºF

CalCert Instruments provides a full range of services in conjunction with this range and gives a complete after sales support on the full Yudian product range.