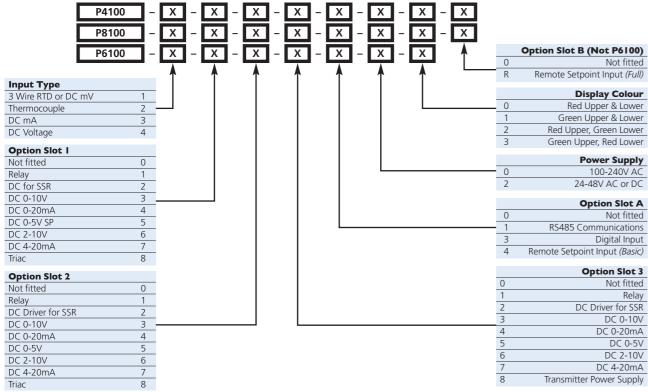
West Instruments West Instruments

Technical Data

Features Control Types Full PID with Pre-tune, Self-tune, manual tuning, or On-Off control. Heat only or heat & cool Auto/Manual Selectable from front panel or via digital input, with bumpless transfer Output Configuration Up to 3 possible, for control, alarm, 24VDC transmitter power supply or retransmit of process value or setpoint Alarm 1 & 2 Types Process high, process low, SP deviation, band, logical OR / AND. Also 1 loop alarm for process control security. Process alarms have adjustable hysteresis. 4 button operation, dual 4 digit LED displays, optional choice of colours (Red/Red, Red/Green, Green/Red or Green/Green), plus 5 LED indicators PC Configuration Off-line configuration from PC serial port to dedicated config socket (comms option not required). Configuration software for Windows 98 or higher. West Part Number: PS1-CON Input Thermocouple J, K, C, R, S, T, B, L, N & PtRh2O%vsPtRh4O%. RTD 3 Wire PT100, 50Ω per lead maximum (balanced) DC Linear 0 to 20mA, 4 to 20mA, 0 to 50mV, 10 to 50mV, 0 to 5V, 1 to 5V, 0 to 10V. 2 to 10V. Scaleable -1999 to 9999, with adjustable decimal point Impedance > 100NΩ for Thermocouple and mV ranges, 47KΩ for V ranges and 5Ω for mA ranges Accuracy ± 0.1% of input range ± 15D (T/C CIC better than 1°C) Sampling 4 per second, 14 bit resolution approximately <2 seconds (except zero based DC ranges), control O/P's turn off, high alarms activate for T/C and mV ranges, low alarms activate for RTD, mA or V ranges Outputs & Options Control & Alarm Relays Output 4 Dec 2000 A to 2		
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, 3 <i>n</i> 3		
100 to 2401/ F0/601 to 7 F1/4 (aptional 20 to 401/ AC 7 F1/4/22 to 6F1/ DC F watts)		
,	Power Supply	100 to 240V 50/60Hz 7.5VA (optional 20 to 48V AC 7.5VA/22 to 65V DC 5 watts)
Front Panel Protection P6100 48x48mm, P8100 96x48mm, P4100 96x96mm. Protection IEC IP66 (Behind panel=IP20)		
	Standards	CE, UL & ULC recognised
CF III 9 III C recognised	Stanuarus	CE, OL & OLC recognised

Order Code



Available From:

In accordance with our policy of continuous improvement, we reserve the right to change specifications from those shown in this document.

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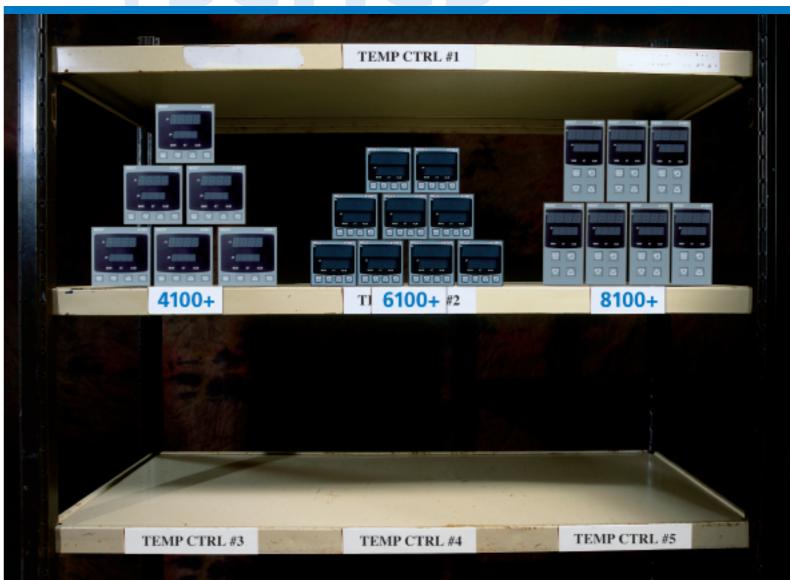
West Instruments is a division of Danaher (UK Industries) Ltd.

A member of the Danaher Corporation.

The new + series

temperature controller platform

+series



...so adaptable, you won't need anything else



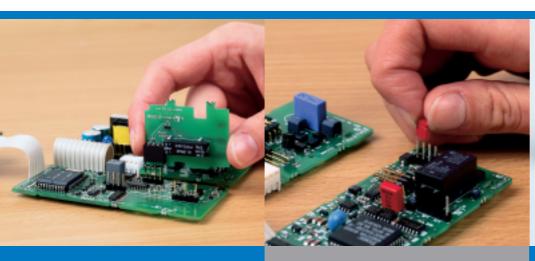
West Instruments 6100+ temperature controller

The new + series

- Taking flexibility and ease of use to the next level

The '+' series are a new generation of discrete temperature controllers. Look at all the advantages they offer:













Stock fewer types of controller *All outputs plug-in*

Maintaining stocks of a wide range of controller types for all possible applications is expensive, difficult to manage and can cause major problems if the right controller is not readily available. But the '+' series avoids this problem. All output cards are plug-in: relay, SSR, triac and linear. This means the base unit can be customised to each application as required.

Stock levels are reduced and ordering is simplified.

Avoid errors NO link jumpers

Many controllers still use tiny link jumpers to set input and output types. The trouble is, changing link jumpers is awkward, time-consuming and can easily result in error. But the '+' series solve this problem by eradicating link jumpers altogether.

No link jumpers means one less area for potential error.

Reduce set up times Auto-hardware configuration

Fitting output cards to a controller typically involves a menu set-up operation. It is an irritation and it takes time – which costs money. The '+' series get straight down to business. As soon as the output cards are fitted they automatically configure

Less time spent on each controller saves money and makes sense.

More Flexibility With RSP & TxPSU across the whole range

For increased flexibility we have added two

Remote Set Point is an entirely NEW feature for the 6100+, 8100+ and 4100+. The control setpoint can be set using a linear D voltage or milliamp signal from an external device such as a PLC or another controller in the set of the s

A 24V 22mA transmitter power supply option is also available across the range t

Customise the operator menu Easy to set up via PC

Many controllers can, at the very least, present operators with a bewildering array of unnecessary information and, at worst, allow access to parameters that could potentially cause big problems. The '+' series takes a more intelligent approach, enabling the operator menu to be customised so that it displays only what is needed.

Too much information is as bad as too little – '+' series operator menu can be tailored to precisely what is required.

Simplify operation Improved easy-to-use HMI

Developing the '+' series to incorporate somany new advantages also provided the ideal opportunity to review the HMI (human machine interface). The result is that the '+' series has some of the best HM characteristics available, making the wholeset up process quick and easy.

+series

Making things complicated is easy – the **clever trick** with the **+ series** is to **make it simple**.