



West 4100+ 1/4 DIN Single Loop Temperature Controller

Product Images



Short Description

The West 4100+ is part of the Plus Series of controllers that take flexibility and ease of use to new levels.

The 4100+ controller is an evolved product from the N4100. The product benefits from having more versatile features and user-friendly functionalities such as remote setpoint inputs, digital inputs, plug-in output modules, a customisable operator/HMI menu, jumperless and auto-hardware configuration, and 24VDC transmitter power supply.

Please note, the price shown above is for the base unit without any configuration or additional options. Please ensure you select the appropriate configuration from the dropdown menus below in order to see the correct final price.

Description

The West 4100+ has been designed to incorporate improvements over the N4100 to save users' time (as much as 50% on product set-up), reduce inventory stock and virtually eliminate the likelihood of operator errors.

The 4100+ surpasses competitive offerings in terms of ease of use, delivery and value for money.

Key Features

- Dual setpoints with optional remote selection
- Plug-in output modules allow installing just the functions needed
- Expanded user-selectable operator modes
- User-selectable plug-and-play output cards
- Process and loop alarms
- Adjustable hysteresis
- Optional 10V SSR driver
- Optional analogue Remote Setpoint Input
- Improved Windows PC configuration software
- Improved easy to use HMI
- Jumperless input configuration
- Auto-hardware recognition
- Faster communication speeds
- More security options
- Backward compatible panel cut out, housing and terminal wiring capability.

Additional Information

Country of Manufacture	United Kingdom
Product Category:	Single Loop Controller
Dimensions and size:	96mm x 96mm x 100mm (HxWxD), 1/4 DIN
Primary Input Type:	Universal (TC, RTD, DC linear mA/mV)
Other Inputs:	Digital, Remote setpoint
Output Type:	Relay, SSR, DC linear V or mA, Triac, 24V transmitter power supply
Max. Number of Outputs:	3
Control Type:	PID, ON/OFF, Manual, Alarm, Ramp to Setpoint
Power Supply:	100–240V AC 50–60Hz, 20–48V AC 50/60 Hz, 22–65V DC
Communications:	RS-485 serial (West ASCII or MODBUS®)
Panel Sealing:	IP66
Certifications:	CE, UL, ULC, CSA
Software Tools:	Plus Series Configurator
Ordering Code	<div><div><div><div>P6100</div><div>P8100</div><div>P4100</div></div><div>-</div><div>x</div><div>-</div><div>x</div><div>-</div><div>x</div><div>-</div><div>x</div><div>-</div><div>x</div><div>-</div><div>x</div><div>-</div><div>x</div><div>-</div><div>x</div></div><div><div>Input Type</div><div>3 Wire RTD or DC mV 1</div><div>Thermocouple 2</div><div>DC mA 3</div><div>DC Voltage 4</div><div>Option Slot 1</div><div>Not fitted 0</div><div>Relay 1</div><div>DC for SSR 2</div><div>DC 0-10V 3</div><div>DC 0-20mA 4</div><div>DC 0-5V 5</div><div>DC 2-10V 6</div><div>DC 4-20mA 7</div><div>Triac 8</div><div>Option Slot 2</div><div>Not fitted 0</div><div>Relay 1</div><div>DC Driver for SSR 2</div><div>DC 0-10V 3</div><div>DC 0-20mA 4</div><div>DC 0-5V 5</div><div>DC 2-10V 6</div><div>DC 4-20mA 7</div><div>Triac 8</div></div><div><div>Option Slot B (not on 6100)</div><div>Not fitted 0</div><div>Remote Setpoint Input (Full) R 1</div><div>Display Colour</div><div>Red Upper & Lower 0</div><div>Green Upper & Lower 1</div><div>Red Upper, Green Lower 2</div><div>Green Upper, Red Lower 3</div><div>Power Supply</div><div>100-240V AC 0</div><div>24-48V AC or DC 2</div><div>Option Slot A</div><div>Not fitted 0</div><div>RS485 Communications 1</div><div>Digital Input 3</div><div>Remote Setpoint Input (Basic) 4</div><div>Option Slot 3</div><div>Not fitted 0</div><div>Relay 1</div><div>DC Driver for SSR 2</div><div>DC 0-10V 3</div><div>DC 0-20mA 4</div><div>DC 0-5V 5</div><div>DC 2-10V 6</div><div>DC 4-20mA 7</div><div>Transmitter Power Supply 8</div></div></div>

8100+/4100+

OPTION 3

Relay N/C C N/O

Transmitter PSU - +

DC or SSR Drive - +

100-240V 50/60Hz L N

20-48V 50/60Hz L N

22-65VDC - +

POWER INPUT

Not used

OPTION A

+ -

RS485 Comms A B C

OPTION 1

N/C C N/O Relay

DC or SSR Drive

Triac

Relay N/O C N/C

OPTION 2

OPTION B

OPTION 1

OPTION 2

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Brand

West

Display Colour

Red, Green

Display Digits

4

Input Type

Thermocouple, RTD, Linear

Typical applications

Industrial

Measurements

Temperature, Universal

Additional Options

Input Type	[1]3 Wire RTD or DC mV
	[2]Thermocouple
	[3]DC mA
	[4]DC Voltage
Option Slot 1	[0]Not Fitted
	[1]Relay Output
	[2]DC Drive Output for SSR
	[3]Linear 0-10V DC Output
	[4]Linear 0-20mA DC Output
	[5]Linear 0-5V DC Output
	[6]Linear 2-10V DC Output
	[7]Linear 4-20mA DC Output
Option Slot 2	[8]Triac Output
	[0]Not Fixed
	[1]Relay Output
	[2]DC Drive Output for SSR
	[3]Linear 0-10V DC Output
	[4]Linear 0-20mA DC Output
	[5]Linear 0-5V DC Output
	[6]Linear 2-10V DC Output
Option Slot 3	[7]Linear 4-20mA DC Output
	[8]Triac Output
	[0]Not Fitted
	[1]Relay Output
	[2]DC Drive Output for SSR
	[3]Linear 0-10V Output

	[4]Linear 0-20mA Output
	[5]Linear 0-5V Output
	[6]Linear 2-10V Output
	[7]Linear 2-10V Output
	[8]Transmitter Power Supply
Option Slot A	[0]Not Fitted
	[1]RS485 Serial Comms
	[3]Digital Input
	[4]Remote Setpoint Input (Basic)
Power Supply	[0]100-240V AC
	[2]24-48V AC or DC
Display Colour	[0]Red Upper & Lower
	[1]Green Upper & Lower
	[2]Red Upper, Green Lower
	[3]Green Upper, Red Lower
Option Slot B	[0]Not Fitted
	[R]Remote Setpoint Input (full, with secondary digital input)
Manual Language	[0]No Manual
	[1]English
	[2]French
	[3]German
	[4]Italian
	[5]Spanish
	[6]Chinese Mandarin
	[9]All European Languages (En/Fr/Gr/It/Sp) Concise Manuals
Packing Options	[0]Single Pack with Concise Manual
	[1]Bulk Pack with 1 Concise Manual per unit - Minimum 20 pcs

[2]Bulk Pack No Manual - Minimum 20 pcs

[3]Bulk Pack with 1 Full Manual per unit - Minimum 20 pcs

[5]Single Pack with 1 Full Manual per unit