



West 8100+ 1/8 DIN Single Loop Controller

Product Images



Short Description

The New West 8100+ 1/8 DIN Process Controller combines technical functionality, field flexibility and ease of use to offer the best in comprehensive process control.

The 8100+ controller is an evolved product from the N8100. 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.

Description

The West 8100+ has been designed to incorporate improvements over the N8100 to save users' time (as much as 50% on product set-up), reduce inventory stock and virtually eliminate the likelihood of operator errors.

The 8100+ results in providing a product which 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 48mm x 100mm (HxWxD), 1/8 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>P6100 P8100 P4100</div><div>- x - x - x - x - x - x - x -</div></div>	
Input Type		Option Slot B (not on 6100)
3 Wire RTD or DC mV	1	0 Not fitted
Thermocouple	2	R Remote Setpoint Input (Full)
DC mA	3	Display Colour
DC Voltage	4	0 Red Upper & Lower
Option Slot 1		1 Green Upper & Lower
Not fitted	0	2 Red Upper, Green Lower
Relay	1	3 Green Upper, Red Lower
DC Driver for SSR	2	Power Supply
DC 0–10V	3	0 100–240V AC
DC 0–20mA	4	2 24–48V AC or DC
DC 0–5V	5	Option Slot A
DC 2–10V	6	0 Not fitted
DC 4–20mA	7	1 RS485 Communications
Triac	8	3 Digital Input
Option Slot 2		4 Remote Setpoint Input (Basic)
Not fitted	0	Option Slot 3
Relay	1	0 Not fitted
DC Driver for SSR	2	1 Relay
DC 0–10V	3	2 DC Driver for SSR
DC 0–20mA	4	3 DC 0–10V
DC 0–5V	5	4 DC 0–20mA
DC 2–10V	6	5 DC 0–5V
DC 4–20mA	7	6 DC 2–10V
Triac	8	7 DC 4–20mA
		8 Transmitter Power Supply

Explanation

8100+/4100+

OPTION 3

Relay N/C C N/O

Transmitter PSU - +

DC or SSR Drive

OPTION 1

N/C C N/O Relay

DC or SSR Drive

Triac

OPTION 2

N/O C N/C

OPTION B

Digital Input 2

Remote Setpoint

Linear mV

Thermocouple

UNIVERSAL INPUT

Digital

Remote Setpoint

Linear mV

Thermocouple

POWER INPUT

22–65VDC - +

20–48V 50/60Hz - +

100–240V 50/60Hz L (N) - +

Not used

RS485 Comms A B C

Digital Input 1

OPTION A

+ 1 RSP Input (Basic)

Brand	West
Display Colour	Red, Green
Display Digits	4
Input Type	Thermocouple, RTD, Linear
Typical applications	Industrial
Measurements	Temperature, Universal

	[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
	[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