



# West Pro-EC44 Dual Temperature Controller

## Product Images



## Short Description

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Quick access to important product information is also facilitated with an optional front USB port.

The Pro-EC44 dual temperature controller is ideal for challenging applications such as: Plastics, Extrusion & Rubber, Industrial Ovens & Furnaces, Environmental Chambers, Boiler & Steam Processes, Food & Beverage,

|                                |  |
|--------------------------------|--|
| Product Category:              | Single Loop or Two Loop Controller   |
| Dimensions and size:           | 96mm x 96mm x 117mm (HxWxD), 1/4 DIN   |
| Connectors:                    | Screw terminals  |
| Primary Input Type:            | 1 or 2 Universal (TC, RTD, DC linear mA/mV)  |
| Other Inputs:                  | External remote setpoint, (Potentiometer, mA, mV or VDC). Up to 9 digital inputs                   |
| Output Type:                   | Relay, Logic/SSR Driver, Trica or DC Linear mA/VDC   |
| Max. Number of Outputs:        | 9  |
| Scan Time:                     | 100 ms   |
| Control Type:                  | Single or Dual PID control (time proportioned, continuous or 3-point stepping) or 2-point (on/off) |
| Number of Programmer Segments: | 255 segments max in upto 64 profiles. Each with 5 event tracks                                     |
| Power Supply:                  | 100 to 240VAC +/-10%, 50/60Hz or<br>22 to 65VDC and 20 to 48VC 50/60Hz                             |
| Communications:                | RS 485 (Modbus RTU) / Ethernet (Modbus TCP)  |
| Panel Sealing:                 | IP66   |
| Certifications:                | CE, cULus  |
| Software Tools:                | BlueControl  |

## Additional Information

|                        |                           |
|------------------------|---------------------------|
| Country of Manufacture | United Kingdom            |
| Brand                  | West                      |
| Display Colour         | Red, Green                |
| Display Digits         | Graphic / Text            |
| Input Type             | Thermocouple, RTD, Linear |
| Typical applications   | Industrial                |
| Measurements           | Temperature, Universal    |

## Additional Options

|                              |                                    |
|------------------------------|------------------------------------|
| <b>Unit Type</b>             | [C]Controller                      |
|                              | [U]Controller with USB             |
|                              | [X]Controller/Recorder             |
|                              | [R]Controller/Recorder             |
| <b>Profiler</b>              | [0]Not Fitted                      |
|                              | [P]Profiler                        |
| <b>Power Supply</b>          | [0]100-240V AC                     |
|                              | [2]24-48V AC or DC                 |
| <b>Control Loops</b>         | [1]One Control Loop                |
|                              | [A] One Loop + Auxiliary Input     |
|                              | [2]Two Control Loop                |
| <b>BASE Option 1</b>         | [1]Not Fitted                      |
|                              | [M]Relay Output & Linear DC Output |
| <b>BASE Option 2</b>         | [0]Not Fitted                      |
|                              | [M]Relay Output & Linear DC Output |
| <b>Plug in Module Slot 1</b> | [0]Not Fitted                      |
|                              | [1]Relay Output                    |
|                              | [2]DC Drive Output for SSR         |
|                              | [L]Linear DC Output                |
|                              | [8]Triac Output                    |
| <b>Plug in Module Slot 2</b> | [0]Not Fitted                      |
|                              | [1]Relay Output                    |
|                              | [2]DC Drive Output for SSR         |
|                              | [8]Triac Output                    |
|                              | [9]Dual Relay Output               |
|                              | [Y]Dual SSR Drive Output           |

|                                  |  |
|----------------------------------|--|
|                                  | [T]24VDC Transmitter Power Supply        |
| <b>Plug in Module Slot 3</b>     | [0]Not Fitted                            |
|                                  | [1]Relay Output                          |
|                                  | [2]DC Drive Output for SSR               |
|                                  | [8]Triac Output                          |
|                                  | [9]Dual Relay Output                     |
|                                  | [Y]Dual SSR Drive Output                 |
|                                  | [T]24VDC Transmitter Power Supply        |
| <b>Plug in Module Slot A</b>     | [0]Not Fitted                            |
|                                  | [1]RS485 Serial Comms - Modbus RTU       |
|                                  | [3]Digital Input                         |
|                                  | [4]Auxiliary Input                       |
|                                  | [5]Ethernet Port - Modbus TCP            |
| <b>Option C</b>                  | [0]Not Fitted                            |
|                                  | [1]Multiple Digital Input                |
| <b>Manual &amp; HMI Language</b> | [1-1]English (Other languages available) |