WEST 6500
1/16 DIN
PROCESS CONTROLLER

WEST
INSTRUMENTS

QUALITY TEMPERATURE CONTROL FOR THE PACKAGING INDUSTRY

Following research with end-users and OEM manufacturers, West have developed the new 6500 temperature controller to meet the specific needs of the global packaging industry.
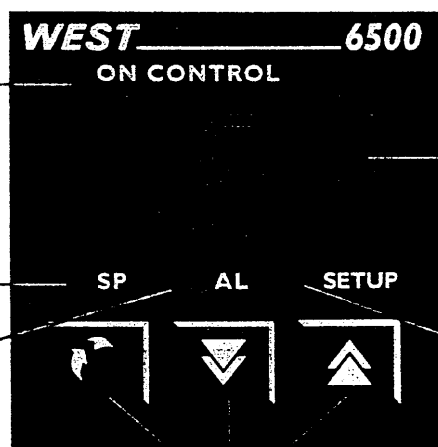
Whether form, fill and seal, bag seal or shrink wrap, fast, reliable, cost-effective temperature control is essential in providing consistent results.

The new West 6500 uses the latest proven technology from the process industry to get on control quicker and stay there. It has a simplified operator interface which makes it easy to use, set-up and support, providing quality control at an affordable price.

Green LED tells operator whether temperature is low, spot on or high

WEST_____6500
ON CONTROL

SP   AL   SETUP

Big 3-digit main display readable from far away

SP LED shows when Setpoint is visible

AL LED shows when Alarm value is visible
(flashes when alarm is active)

Setup LED shows whether in Set-up or Alarm/Range select

Standard West keys Scroll, Up and Down

- ❏ Good quality control over a restricted range
- ❏ Fast up-time for process
- ❏ Foolproof normal operation
- ❏ Simple ordering and commissioning
- ❏ 3-digit integer precision
- ❏ Highly visible display
- ❏ Clear Go/No-go indication
- ❏ CE, UL and IP66/NEMA 4 rated
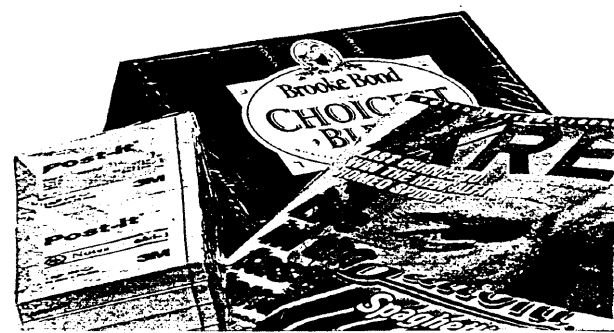
EXCELLENT VISIBILITY

Operators need to be able to see the status of an operation at all times, and want straightforward control options.

The 3 digit LED display on the West 6500 is designed for maximum visibility at a glance. The operator can easily view actual temperature and the setpoint value, and optionally access the alarm value.

Clear go/no go indication is given by the green LED in the top corner of the display, and alarm status is indicated by a dedicated LED.

SIMPLE OPERATION

The 6500 has been designed to offer straightforward set-up and use.

The controller comes with a specifically developed tuning algorithm which will give ideal control in packaging applications. No further tuning is required by the operator.

Once fitted, there is no need for operator intervention unless setpoint accesible values need to be changed - the 6500 simply provides fast reliable temperature control.

FLEXIBILE CONTROL

Equipped with a full complement of thermocouple inputs and both high and low resolution RTD ranges, the 6500 will control a wide range of processes.

For users with specialist needs, adjustable PV offset and output cycle times are provided, and normal operation can be controlled by locking onto operator adjustment of setpoint and alarm value.

The full range of alarm types (Process high and low, deviation and Band) are also available, and the control loop can be set to either direct or reverse acting PID or on/off.

Order options include PSU voltage (90-264 V AC and 24V AC/DC), alarm output, relay or SSR drive control outputs.
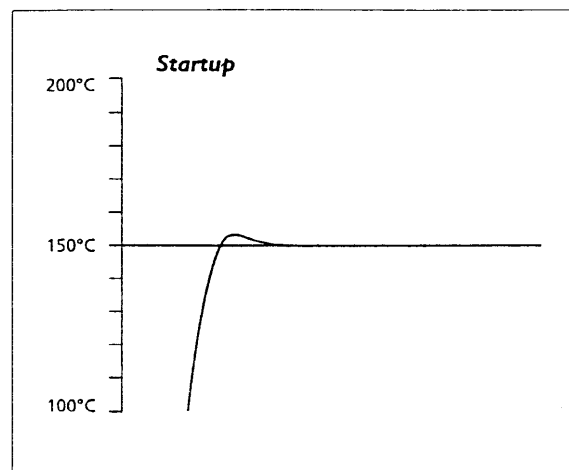
Fast Up-time
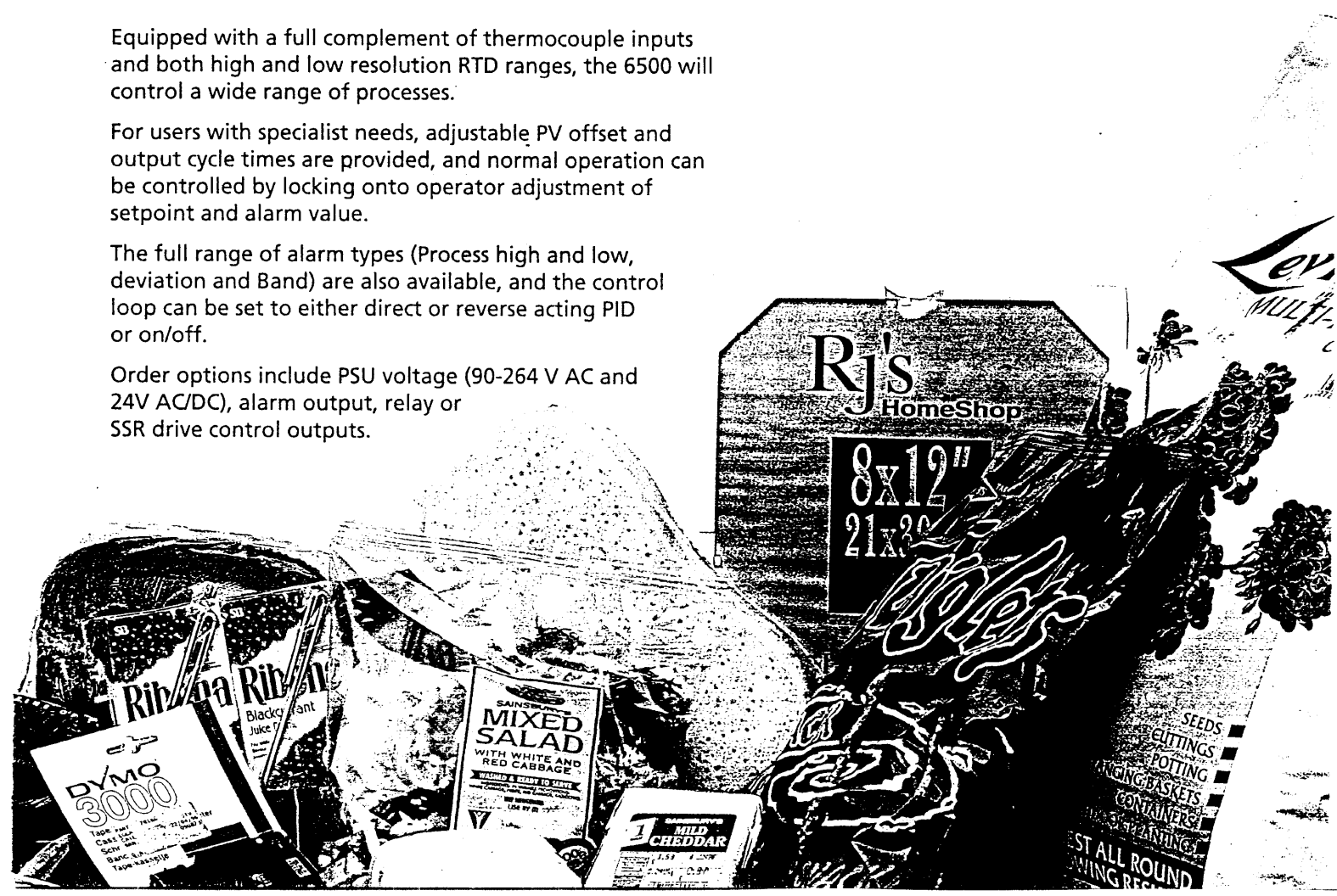
HOW TO ORDER

Order Code..........N 6 5 0 0 / Z - - - 0 / 0 - / M - / P -

Model
Mandatory configuration
Input type
Output type
Alarm
Line Supply
Manual type
Packing type

The controller is supplied pre-configured to one of the order codes shown below.
Re-configuration of inputs and outputs is easily achieved by the user via the front panel.

MODEL

N6500	Model 6500 Process Controller

INPUT TYPE

Code	Description
1	RTD or DC (mV)
2	Thermocouple

OUTPUT TYPE

Code	Description
1	Relay
2	SSR drive

ALARM

Code	Description
0	Not fitted (Default)
1	Relay (Alarm output only)

LINE SUPPLY

Code	Description
0	90 - 264 V AC
2	24V AC/DC (nominal)

MANUAL TYPE

Language options available - consult West Instruments

PACKAGING TYPE

Various packaging options available - consult West Instruments

INPUT RANGES

Thermocouple

Type	Input Range
J/L	0 - 800°C
T	0 - 400°C
K	0 - 800°C
N	0 - 1000°C

PT100

-50 - 800°C
0 - 100°C

Local Stockists: