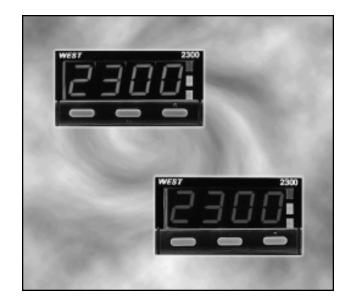# 2300 1/32 DIN
Controller/Indicator

- Largest red or green digital display in a 1/32 DIN package.

- Three large multicolored LED's indicating process, alarms and configuration status.

- Three large tactile rubberized keys for a more practical human interface.

- Two outputs include both a relay and a solid state driver for primary control and alarming.

- Specially developed hands-free PID tuning algorithm. *Easy-Tune* continuously monitors and improves control.

NEMA 4

The 2300 is a 1/32 DIN controller which has been designed to be our smallest control offering without sacrificing functionality.

Visually, the 2300 sets new standards with a large 4 digit display that can be specified in either red or green. The operator can easily view the actual temperature plus has 3 additional multi-color LED indicators for the process, alarm, and configuration status.

The three elastomeric push-buttons provide tactile feedback to your finger each time one of the switches is pressed. Entry is made easier by the large size of the push buttons plus the simplified operation of the control. The controller is provided with hands free PID (Auto Tuning) or can be manually fine tuned for a specific application.

Configuration can be achieved through the elastomeric push-buttons on the front of the control.

Functionality has not been compromised by size. It comes equipped with a full complement of thermocouples, RTDs, mVDCs, and mADCs for inputs. Outputs include a 5 amp relay and an SSR for primary control and alarming. An optional second alarm relay or a 2 wire RS485 MODBUS RTU communication is available.

WEST Brand
INSTRUMENTS

2300 Brief Specs:

Brief Specs:

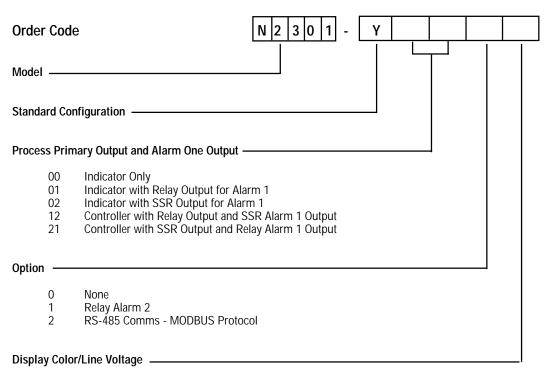|		
Inputs:	Thermocouple:	J, T, K, N, B, R, S
	RTD:	Pt 100
	DC Linear:	mA=0-20, 4-20
		mV=0-50, 10-50
	Dual Setpoint:	Local Operator Interface; Lockable
Output:	Control Output:	Relay- SPST 2A at 120/240V AC
		SSR: >10V DC into 1 KOhm minimum
	Alarms Option:	2 alarms if two physical outputs are available
		2A 120/240V AC (or SSR > 10V into 500 Ohm minimum)
	Communications:	RS-485 2 wire-MODBUS RTU
	Option	
Control and:	Tuning:	Easy Tune or Manual Tuning with Pre-tune
Features	Proportional Band:	1.0% to 999.9% of input span
	Auto Reset:	1 second to 99 minutes 59 seconds and OFF
	Manual Reset (Bias):	0 to 100%
	Rate:	0 to 99 minutes 59 seconds
Operating and:	Accuracy:	±0.25% of input span ±1 LSD
Environmental	Ambient Temperature:	0°C to 55°C (Operating)
		-20°C to 80°C (Storage)
	Supply Voltage:	90 to 264V AC 50/60Hz
	Power Consumption:	4W Maximum
	Low Voltage Option:	12-30V DC, 12-24V AC 50/60 Hz
	EMI Immunity:	Complies with BS EN 50082 Parts 1 (1992) and 2 (1995)
	EMI Emissions:	Complies with BS EN 50081 Parts 1 (1992) and 2 (1994)
Dimensions and:	Panel Cut-Out:	1/32 DIN - 45mm X 22.5mm
Panel Cut Out	Unit Dimensions:	25mm High X 49mm Wide X 100mm Deep

Order Code   `N 2 3 0 1` - `Y` `   ` `   ` `   `

Model

Standard Configuration

Process Primary Output and Alarm One Output

00	Indicator Only
01	Indicator with Relay Output for Alarm 1
02	Indicator with SSR Output for Alarm 1
12	Controller with Relay Output and SSR Alarm 1 Output
21	Controller with SSR Output and Relay Alarm 1 Output

Option

0	None
1	Relay Alarm 2
2	RS-485 Comms - MODBUS Protocol

Display Color/Line Voltage

0	Green Display 90-264V AC
1	Red Display 90-264V AC
2	Green Display 24V AC/DC
3	Red Display 24V AC/DC

2300 Wiring Diagram and Notes:

Wiring Diagram:

Notes:

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