



PLASTX temperature controller and indicator for extruder applications





- Simple to operate
- **Universal input**
- Selectable controller or indicator modes
- Heat only or heat cool control type
- **Process & loop alarms**
- Available in 1/16 & 1/8 DIN formats
- Modbus RS485 communications
- Ramping setpoint



Reduce inventory - single device for heat only, heat/cool control and indicator

Fast configuration - plastic extruder specific settings and default parameters to fit the selected mode

The Plastx extruder temperature controller from West Control Solutions is an economic solution to precision temperature control of extruders. With two package sizes and multiple output configurations, the controller is suitable for twin and single screw extruders, both heat only die and adapter zones, in addition to heat cool for barrel zones. The instrument can also be used in an indicator only mode, allowing one instrument to be used for all applications. With three default parameter sets for Indicator, Heat and Heat/Cool modes, the Plastx controller offers the ultimate in flexibility for the control of industrial plastic extruders.

Specification

Features

Device Modes Control Types Sensor Input

Auto/Manual Control Enable **Output Configuration** Alarm 1 & 2 Types

Human Interface

PID Controller or Indicator

Full PID with Pre-tune, Self-tune, manual tuning, or On-Off control. Heat only or heat & cool Universal input for use with thermocouples, PT100 RTDs and sensors with linear DC

Selectable from front panel with bumpless transfer Control ON/OFF selectable from front Keypad

Up to 3 possible, for control and alarm

Process high, process low, SP deviation, band, logical OR / AND. Also 1 loop alarm for process control security. Process alarms have adjustable hysteresis.

4 button operation, 4 digit 10mm red upper & 8mm green lower LED display plus 5 LED indicators

Input

Thermocouple RTD DC Linear

Impedance Accuracy Sampling Sensor Break Detection J, K, C, R, S, T, B, L, N & PtRh20%vsPtRh40%.

3 Wire PT100, 50Ω per lead maximum (balanced)

0 to 20mA, 4 to 20mA, 0 to 50mV, 10 to 50mV, 0 to 5V, 1 to 5V, 0 to 10V, 2 to 10V.

Scalable -1999 to 9999, with adjustable decimal point

>10M Ω for Thermocouple and mV ranges, 47K Ω for V ranges and 5 Ω for mA ranges

±0.1% of input range ±1 LSD (T/C CJC better than 1°C)

4 per second, 14 bit resolution approximately

<2 seconds (except zero based DC ranges), control O/P's turn off, high alarms activate for T/C and mV ranges, low alarms activate for RTD, mA or V ranges









Outputs & Operations

Control & Alarm Relays Control SSR Driver Outputs Triac Outputs Communications

Contacts SPDT 2 Amp resistive at 240V AC, >500,000 operations

Drive capability >10V DC in 500Ω minimum 0.01 to 1 Amp AC, 20 to 280Vrms, 47 to 63Hz 2 Wire RS485, 1200 to 19200 Baud, Modbus

Operating & Environmental

Temperature & RH Power Supply Front Panel Protection

Standards

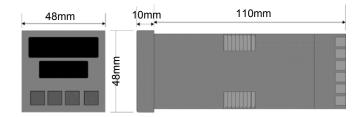
0 to 55°C (-20 to 80°C storage), 20% to 95% RH non-condensing 100 to 240V 50/60Hz 7.5VA, 20 to 48V AC 7.5VA / 22 to 65V DC 5W

IEC IP66 (Behind panel protection is IP20)

CE, UL & ULC recognised

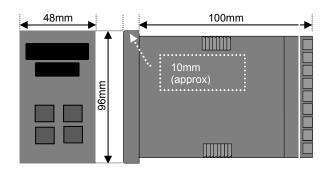
Dimensions

PLASTX6





PLASTX8







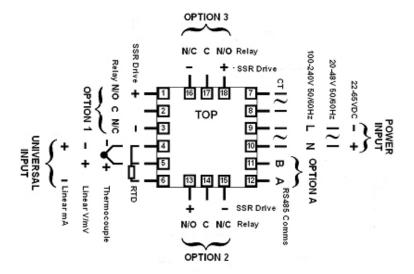




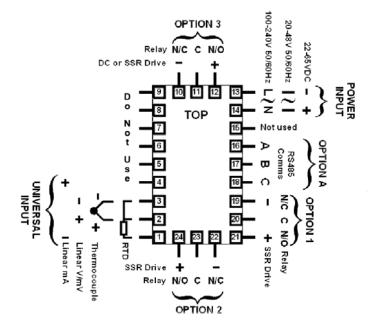


Wiring Connections

PLASTX6



PLASTX8

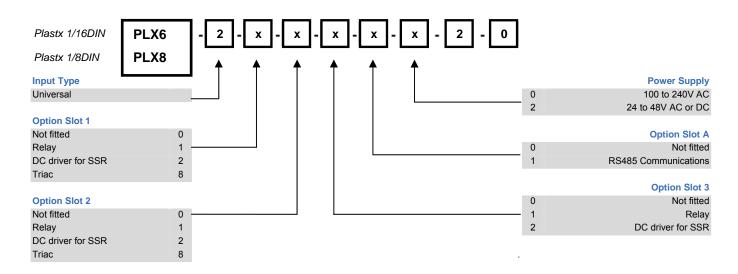








Ordering Code



Brochures and datasheets are available for the complete range of WEST Control Solutions products, contact your local sales office for more information or visit our website at www.west-cs.com

Austria

T: +43 (0)2236 691-121 E: AT@West-CS.com

T: +86 400 666 1802 E: CN@West-CS.com

T: +33 (1) 77 80 90 42 E: FR@West-CS.com

Germany

T: +49 (0)561 505-1307 E: DE@West-CS.com

T: +44 (0)1273 606271 E: UK@West-CS.com

T: +1 800 866 6659 E: NA@West-CS.com

Specifications are subject to change without notice, as a result of continual development and improvement, E&OE





