West 6010 & 8010 Panel Indicator

Jumperless Configuration

Auto Detected Hardware

Up to 4 Alarm Outputs

Modbus & ASCII Comms

Min/max Value Hold

Tare (auto-zero) Function

Multi-point Scaling

PC configuration

The P6010 and P8010 have multi-point scaling, tare function and improved flexibility. They have a universal input and are available with a red or green display. Plug-in modules allow up to four alarm relays (latching or non-latching), PV retransmission or transmitter PSU.

Specification

Features

Output Configuration	Up to 4 total. Max 3 single/1 dual relay, max 1 retransmit of PV, max 1 transmitter power supply
Alarms	Up to 5. Process high low or logical OR (direct or reverse acting). With adjustable hysteresis
Viewable Values	Process variable, maximum value, minimum value and alarm 1 elapsed time since reset
Human Interface	3 button operation, 4 digit 10mm (6010) or 13mm (8010) high red or green display, plus 3 alarm 1 max and 1 min indicator
PC Configuration	Off-line configuration from PC serial port to dedicated config socket (comms option not required). Configuration Software for Windows 98 or higher. West Part Number: PS1-CON

Input

Thermocouple	J, K, C, R, S, T, B, L, N & PtRh20%vsPtRh40%.
RTD	3 Wire PT100, 50Ω per lead maximum (balanced)
DC Linear	0 to 20mA, 4 to 20mA, 0 to 50mV, 10 to 50mV, 0 to 5V, 1 to 5V, 0 to 10V, 2 to 10V. Scaleable -1999 to 9999, with adjustable decimal point
Impedance	>10MΩ for Thermocouple and mV ranges, 47KΩ for V ranges and 5Ω for mA ranges
Accuracy	±0.1% of input range ±1 LSD (T/C CJC better than 1°C)
Sampling	4 per second, 14 bit resolution approximately

Outputs & Options

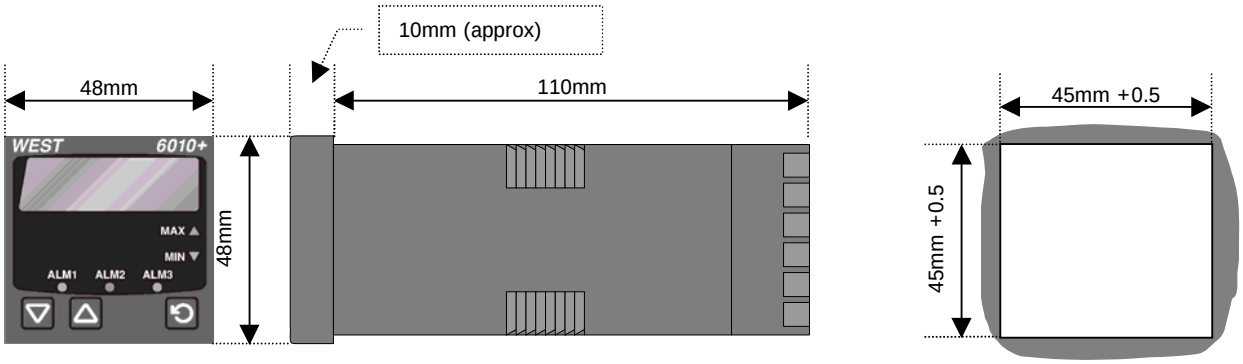
Single Alarm Relays	Contacts SPDT 2 Amp resistive at 240V AC, >500,000 operations. Latching or non-latching
Dual Alarm Relay	Two x SPST contacts with shared common. 2 Amp resistive at 240V AC, >200,000 operations. Latching or non-latching
SSR Driver Outputs	Drive capability >10V DC in 500 minimum
Triac Outputs	0.01 to 1 Amp AC, 20 to 280Vrms, 47 to 63Hz
DC Linear Retransmit Outputs	0 to 20mA, 4 to 20mA into 500Ω max, 0 to 10V, 2 to 10V, 0 to 5V into 500Ω min. Accuracy ±0.25% at 250Ω (degrades linearly to 0.5% for increasing burden to specified limits)
Transmitter Power Supply	Output 24VDC (nominal) into 910Ω minimum to power external devices
Serial Communications	2 Wire RS485, 1200 to 19200 Baud, Modbus and ASCII protocol (selectable)
Digital Input	External reset of latched relay, stored alarm 1 elapsed time, stored min/max PV values or initiate tare function. Volt free or TTL input

Operating & Environmental

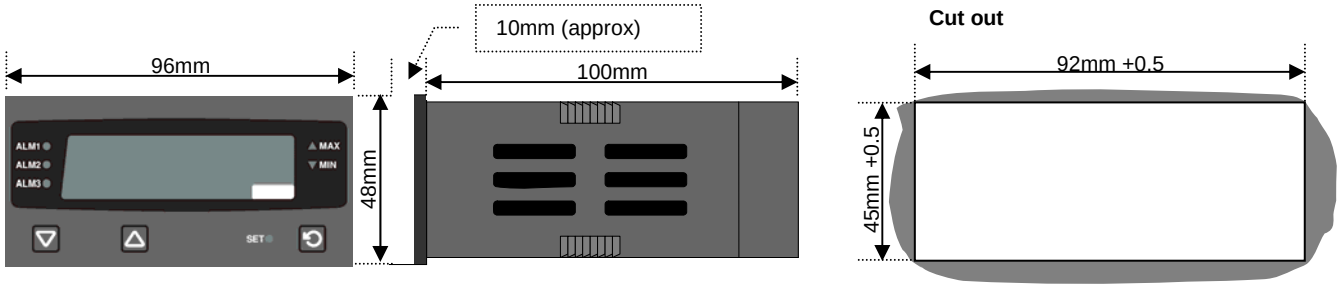
Temperature & RH	0 to 55°C (-20 to 80°C storage), 20% to 95% RH non-condensing
Power Supply	100 to 240V 50/60Hz 7.5VA (optional 20 to 48V AC 7.5VA/22 to 65V DC 5 watts)
Front Panel Protection	IEC IP66 (Behind panel protection is IP20)
Standards	CE, UL & ULC recognised. Pollution Degree 2, Installation Category II

Dimensions

6010

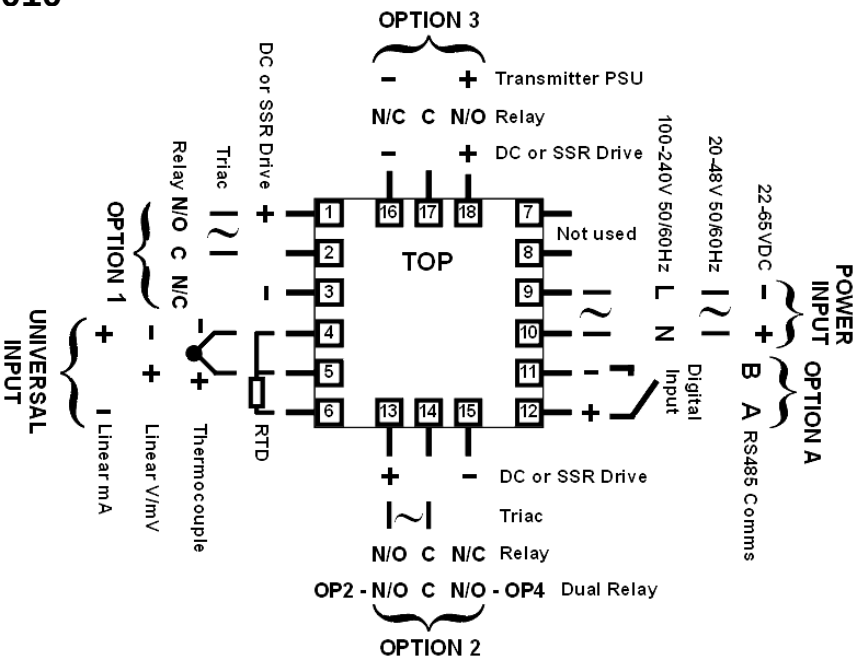


8010



Wiring Connections

6010



Field Reconfiguration

Input
Jumper-free configuration for any type
(no extra parts required)

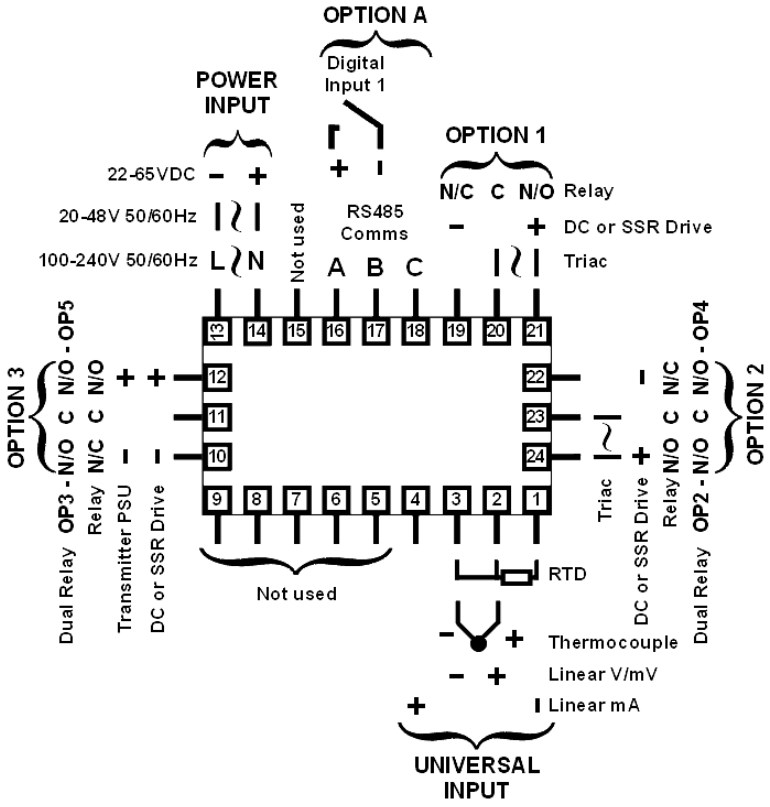
Option Slot 1	Part Number
Relay Output	**PO1-C10**
Linear mA/V DC Output	**PO1-C21**
SSR Driver Output	**PO1-C50**
Triac Output	**PO1-C80**

Option Slot 2	Part Number
Relay Output	**PO2-C10**
Dual Relay Output	**PO2-W09**
Linear mA/V DC Output	**PO2-C21**
SSR Driver Output	**PO2-C50**
Triac Output	**PO2-C80**

Option Slot 3	Part Number
Relay Output	**PO2-C10**
Linear mA/V DC Output	**PO2-C21**
SSR Driver Output	**PO2-C50**
24VDC Transmitter PSU	**PO2-W08**

Option Slot A	Part Number
Digital Input	**PA1-W03**
RS485 Comms	**PA1-W06**

8010



Ordering Code

P6010 / P8010 - x - x - x - x - x - x - x

Input Type	
3 Wire RTD or DC mV	1
Thermocouple	2
DC mA	3
DC Voltage	4

Option Slot 1	
Not fitted	0
Relay	1
DC for SSR	2
DC 0-10V	3
DC 0-20mA	4
DC 0-5V	5
DC 2-10V	6
DC 4-20mA	7
Triac	8

Option Slot 2	
Not fitted	0
Relay	1
DC Driver for SSR	2
DC 0-10V	3
DC 0-20mA	4
DC 0-5V	5
DC 2-10V	6
DC 4-20mA	7
Triac	8
Dual Relay	9

Display Colour	
0	Fixed Red
1	Fixed Green

Power Supply	
0	100-240V AC
2	24-48V AC or DC

Option Slot A	
0	Not fitted
1	RS485 Communications
3	Digital Input

Option Slot 3	
0	Not fitted
1	Relay
2	DC Driver for SSR
3	DC 0-10V
4	DC 0-20mA
5	DC 0-5V
6	DC 2-10V
7	DC 4-20mA
8	Transmitter Power Supply

Contact:
Industrial Process Measurement, Inc.
3910 Park Avenue, Unit 7
Edison, NJ 08820
732-632-6400
support@instrumentation2000.com
http://www.instrumentation2000.com