



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
Alarms
Viewable Values
Human Interface

PC Configuration

Up to 4 total. Max 3 single/1 dual relay, max 1 retransmit of PV, max 1 transmitter power supply
Up to 5. Process high low or logical OR (direct or reverse acting). With adjustable hysteresis
Process variable, maximum value, minimum value and alarm 1 elapsed time since reset
3 button operation, 4 digit 10mm (6010) or 13mm (8010) high red or green display, plus 3 alarm 1 max and 1 min indicator
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
RTD
DC Linear

Impedance
Accuracy
Sampling

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.
Scaleable -1999 to 9999, with adjustable decimal point
>10MΩ for Thermocouple and mV ranges, 47KΩ for V ranges and 5Ω for mA ranges
±0.1% of input range ±1 LSD (T/C CJC better than 1°C)
4 per second, 14 bit resolution approximately

Outputs & Options

Single Alarm Relays
Dual Alarm Relay

SSR Driver Outputs
Triac Outputs
DC Linear Retransmit Outputs

Transmitter Power Supply
Serial Communications
Digital Input

Contacts SPDT 2 Amp resistive at 240V AC, >500,000 operations. Latching or non-latching
Two x SPST contacts with shared common. 2 Amp resistive at 240V AC, >200,000 operations. Latching or non-latching
Drive capability >10V DC in 500 minimum
0.01 to 1 Amp AC, 20 to 280Vrms, 47 to 63Hz
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)
Output 24VDC (nominal) into 910Ω minimum to power external devices
2 Wire RS485, 1200 to 19200 Baud, Modbus and ASCII protocol (selectable)
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

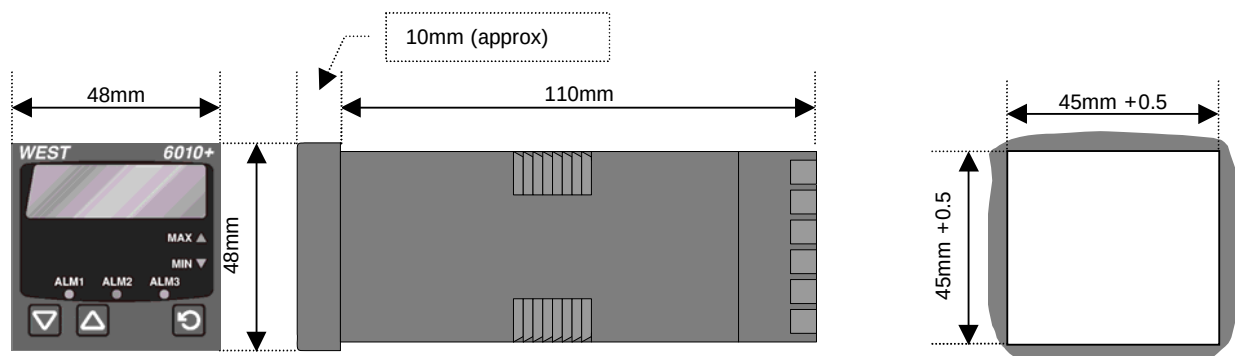
Temperature & RH
Power Supply
Front Panel Protection
Standards

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

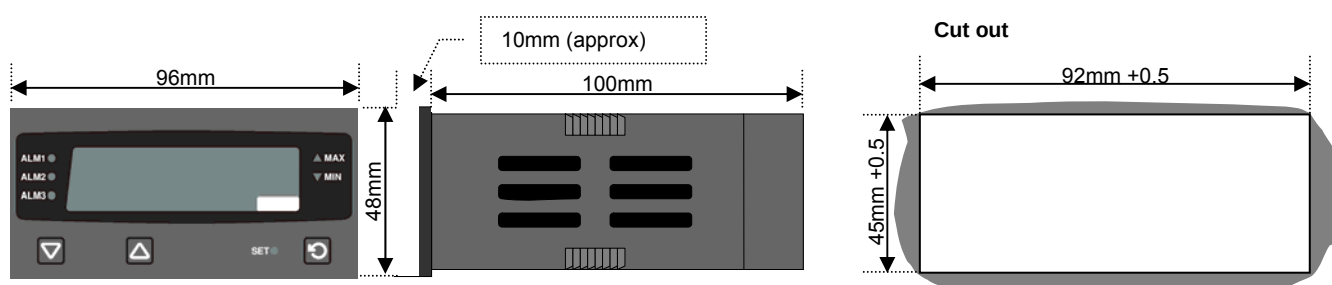


Dimensions

6010

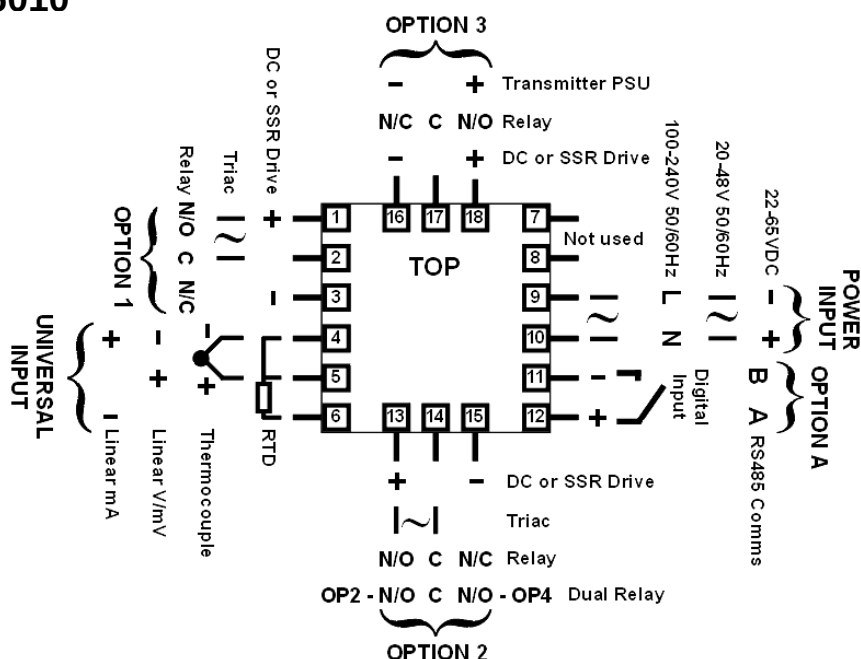


8010



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

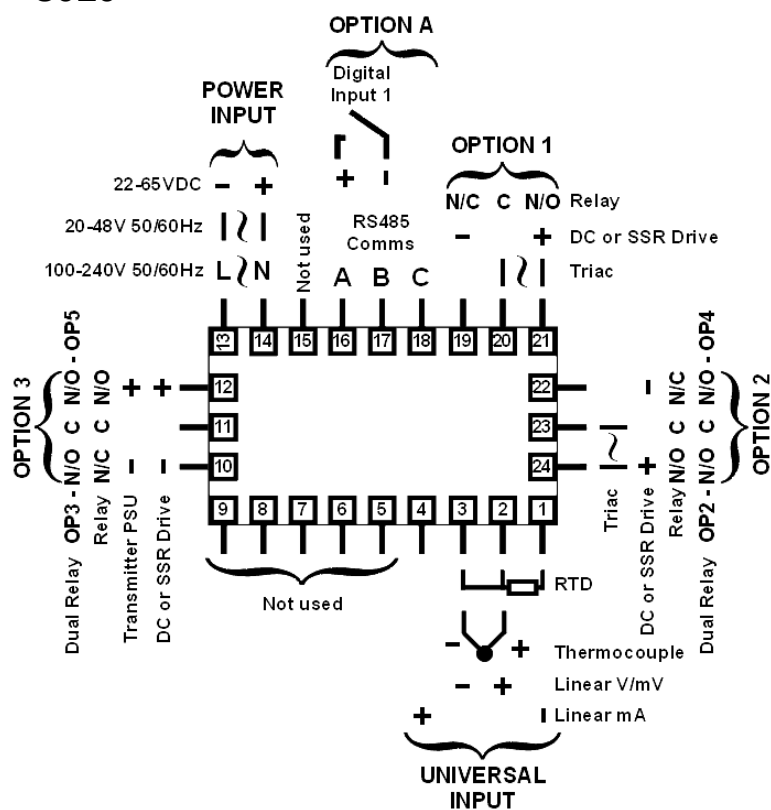
Option Slot 3 Part Number

Relay Output	PO2-C10
Linear mA/V DC Output	PO2-C21
SSR Driver Output	PO2-C50
24VDC Transmitter PSU	PO2-W08

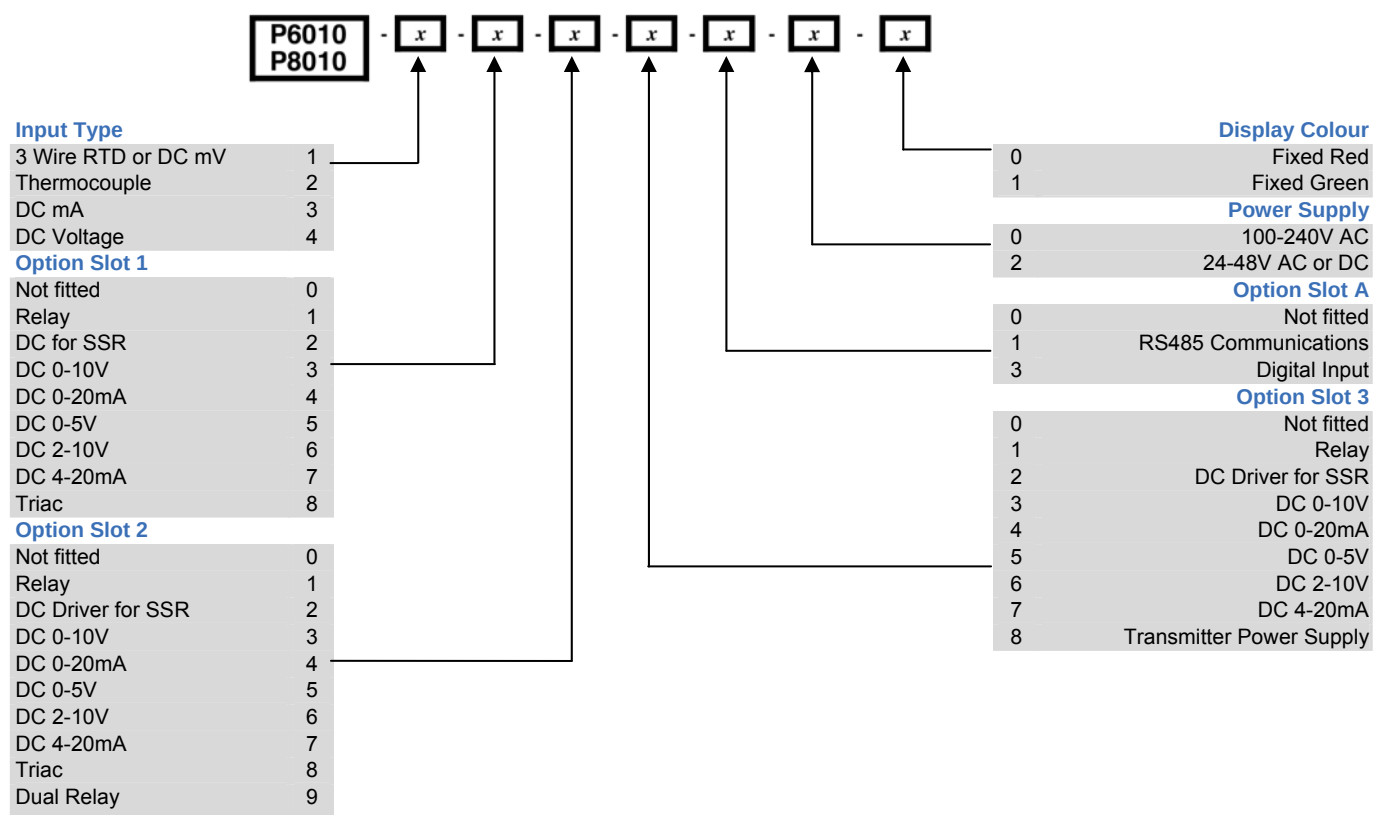
Option Slot A Part Number

Digital Input	PA1-W03
RS485 Comms	PA1-W06

8010



Ordering Code



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



Official UK Suppliers & Stockists of:



Temperature & Process Input Controllers

- Single Loop Controllers
- Multi-Loop Controllers
- Programmable Controllers
- Valve Motor Drive Controllers
- Process Indicators

Please contact our sales and service teams at the following address for further product information.



Tempcon Instrumentation Ltd.
Unit 19, Ford Lane Business Park, Ford Lane
Ford, Nr. Arundel, West Sussex. BN18 0UZ
Tel: ++44 (0) 1243 558270 Fax: ++44 (0) 1243 558288
Email: info@tempcon.co.uk Web site: www.tempcon.co.uk

H214
0710