West 6010 & 8010 Panel Indicator

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 500Ω 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
- **Standards**: CE, UL & ULC recognised. Pollution Degree 2, Installation Category II

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Dimensions

6010

Wiring Connections

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

Option Slot A Part Number
Digital Input.......................... PA1-W03
RS485 Comms.......................... PA1-W06
### Ordering Code

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<td>DC mA</td>
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<td>Power Supply</td>
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### Specifications

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

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**West Control Solutions – International Sales and Support**

**CHINA**
Danaher Setra-ICG (Tianjin Co., Ltd.
No.28 Wei 5 Road,
The Micro-Electronic Industry Park TEDA,
Xiqing District, Tianjin 300385
Tel: +86 22 8398 8056 Fax: +86 22 8398 8099
Sales Hotline: 400 666 1802
E-mail: tc.sales@danaher.com

**FRANCE**
Hengstler SA, 69 Rue de la Belle Etiole
Bat D - ZI Paris Nord II, 95700, Roissy
Tel: +33 (1) 77 80 90 40 Fax: +33 (1) 77 80 90 50
E-mail: info@westinstruments.com

**GERMANY**
PMA Prozes- und, Maschinen- Automation GmbH,
Miramstraße 8, 7D-34123 Kassel
Tel: +49 (561) 505-1307 Fax: +49 (561) 505-1710
E-mail: mailbox@pma-online.de

**USA**
West Control Solutions
1675 Delany Road, Gurnee, IL 60031-1282
Tel: 800 866 6659 Fax: 847 782 5223
E-mail: custserv.west@dancon.com

**UNITED KINGDOM**
West Control Solutions
The Hyde Business Park, Brighton, East Sussex, BN2 4JU
Tel: +44 (0)1273 606271 Fax: +44 (0)1273 606999
E-mail: info@westinstruments.com

Brochures and datasheets are available for the complete range of West Control Solutions products, contact your local sales office or visit our website at: [www.west-cs.com](http://www.west-cs.com) for more information.