

Product Specification

West 6010 1/16 DIN Indicator



The West 6010 digital indicator provides clear identifiable data for any process. It includes universal input with a choice of alarms

- Large four-digit display
- One or two alarms •
- Universal input •
- Sensor break detection PV retransmit option •
- 100-240V AC supply •
- 24-48V AC or DC option •
- **Remote Set-up mode selection** •



Technical Data

Features

Output Configuration Alarm 1 & 2 Types Human Interface

Input

Thermocouple RTD DC Linear

Impedance Accuracy Sampling Sensor Break Detection

Outputs & Options

Alarm Relays

Retransmit Outputs Remote Lock Input

Operating & Environmental

Temperature & RH Power Supply Front Panel Protection Approvals and Certification

Up to 3 total, max 2 for Alarms, max 1 for retransmit of Process value
Process high, process low, direct or reverse action
3 button operation, 4 digit 10mm high red LED displays, plus set-up and alarm LED indicators
J, K, R, S, T, B, L, & N.
3 Wire PT100, 50 Ω per lead maximum (balanced)
0-20/4-20mA, 0-50/10-50mV, 0-5/1-5/0-10/2-10V. Scaleable -1999 to 9999, dec point available
>100M Ω for Thermocouple and mV ranges, 47K Ω for V ranges and 4.7 Ω for mA ranges
+/- 0.25% of input span +/- 1 LSD (T/C CJC better than 0.7°C)
4 per second, 14 bit resolution approximately
<2 secs (except zero based DC ranges), high alarms activate for T/C and mV ranges, low alarms activate for RTD, mA or V ranges.
Contacts SPDT 2Amp resistive at 240V AC, >500,000 operations (one relay fitted as standard, one optional)
0-20/4-20mA into 500 Ω max, 0-10/0-5V into 500 Ω min. Accuracy typically +/- 0.25%
External selection of set-up mode. Volt free or TTL input (Set-up = 2 to 24V, or contact open, exit = -0.6 to 0.8V, or contact closed)
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 50V AC 7.5VA/22 to 65V DC 4W)
IEC IP66. (Behind panel protection is IP20)
CE, UL & ULc



Connection Details

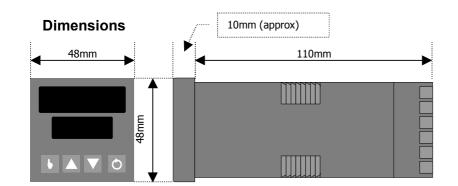
Kelav

RTD

Thermocouple

West Instruments The Hyde Business Park Brighton BN2 4JU, UK

Tel: +44 (0) 1273 606271 Fax: +44 (0) 1273 609990 e-mail: info@westinstruments.com Web: www.westinstruments.com



DC Linear

Output 3

Output 2

14 15

C N/C Relay

7

8

10

Power 9

Input

16 17 18

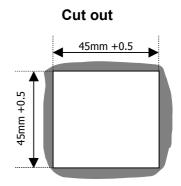
13

N/O

4

6

input 5



Field Reconfiguration

Input

Configurable to any type, no extra parts required **Output 1** Type is fixed as Alarm 1 Relay **Output 2** Configurable as Alarm 2, via plug-in Relay **Output 3** Configurable as PV retransmit using DC Linear module **Option Slot**

Configurable as Remote selection, via plug-in module

Order Code

Linear (mA)

Linear (V/mV)

	N6010 - x	- <u>x</u> - <u>x</u> -	x - xx]	
Input Type					Options & Power Supply
3 Wire RTD or DC mV	1			00	No Options/100-240V AC line supply
Thermocouple	2		1 1	02	No Options/24-48V AC or DC line supply
DC mA	3			30	Set-up Select/100-240V AC line supply
DC Voltage	4			32	Set-up Select/24-48V AC or DC line supply
Output 1					Output 3
Relay Alarm 1	1			0	Not fitted
				3	DC 0-10V Re-Transmit PV or SF
Output 2				4	DC 0-20mA Re-Transmit PV or SF
Not fitted	0			5	DC 0-5V Re-Transmit PV or SF
Relay Alarm 2	1			7	DC 4-20mA Re-Transmit PV or SF

Ŀ

Connections used will depend upon the options fitted

24/48AC or DC

N+ (option)

In accordance with our policy of continuous improvement, we reserve the right to change specifications from those shown in this document.

6010 Spec Sheet - 08/03

DANAHER

West Instruments is a division of Danaher (UK Industries) Ltd. A member of the Danaher Corporation. Registered in England No 2815444 VAT No GB788620583 Registered Office: Danaher House, Parkway One Business Centre, Parkway Drive, Sheffield, S9 4WU