

# Model Selection Guide

## Instructions

- Key Numbers  $\boxed{\quad\quad\quad}$  -  $\boxed{\text{I}\quad\quad}$  -  $\boxed{\text{II}\quad\quad}$  -  $\boxed{\text{III}\quad\quad}$  -  $\boxed{\text{IV}\quad\quad}$  -  $\boxed{\text{V}\quad\quad}$  -  $\boxed{\text{VI}\quad\quad}$  -  $\boxed{\text{VII}\quad\quad}$   
 $\boxed{\text{VIII}\quad\quad}$   $\boxed{\text{IX}\quad\quad}$

### TABLE I RANGE/SCALE

[illegible]

Diagram illustrating a 10-bit shift register configuration. The register is divided into two sections of 5 bits each. The first section contains the bits 0, 1, 0, 1, 0, and the second section contains the bits 1, 0, 0, 1, 1. Below the bits, the corresponding values are listed: 1, 1, 2, 2, 3, 3, 3, 3, 6, 6. The values 1, 1, 2, 2, 3, 3 are associated with the first section, and the values 3, 3, 6, 6 are associated with the second section.

0 to 100 Linear Scale Only	Linear			T U V W Z	•	•	•	•	•	•	•	•	•	•	•
	mV	0 to 10 0 to 20 0 to 50 10 to 50 0 to 100	0 to 10 0 to 20 0 to 50 10 to 50 0 to 100		•	•	•	•	•	•	•	•	•	•	
	Upscale				•	•	•	•	•	•	•	•	•	•	
	Burnout				•	•	•	•	•	•	•	•	•	•	
	V	0 to 1 0 to 5 1 to 5	0 to 1 0 to 5 1 to 5		1 2 3	•	•	•	•	•	•	•	•	•	
	(Note 4, 6)	V Burnout	0 to 10	0 to 10	4	•	•	•	•	•	•	•	•	•	
		Fixed Down				•	•	•	•	•	•	•	•	•	
		mA Burnout	0 to 20 4 to 20	0 to 20 4 to 20	5 6	•	•	•	•	•	•	•	•	•	
		Fixed				•	•	•	•	•	•	•	•	•	
	Downscale	4 to 20 SQRT	4 to 20 SQRT	8	•	•	•	•	•	•	•	•	•		
Special Range				9	•	•	•	•	•	•	•	•	•		

## Selection

[illegible]

None	0 _ _ _ _	•	•	•	•	•	•	•	•	•	•	•	•
Pen Offset	A _ _ _ _			•	•	•	•					•	•
Rear Cover	G _ _ _ _	•	•	•	•	•	•		•	•		•	•
Pen Offset and Rear Cover	P _ _ _ _			•	•	•	•					•	•
UL/CSA Approval	R _ _ _ _	•	•	•	•	•	•		•	•		•	•
UL/CSA Approval and Rear Cover	S _ _ _ _	•	•	•	•	•	•		•	•		•	•
UL/CSA Approval and Pen Offset	T _ _ _ _			•	•	•	•					•	•
UL/CSA Approval, Pen Offset and Rear Cover	U _ _ _ _			•	•	•	•					•	•
None	_ 0 _ _ _	•	•	•	•	•	•		•	•		•	•
Power Supply for Transmitter 24 Vdc (50 mA max)	_ B _ _ _	•	•	•	•	•	•		•	•		•	•
None	_ _ 0 _ _	•	•	•	•	•	•		•	•		•	•
Chart Illumination	_ _ C _ _	•	•	•	•	•	•		•	•		•	•
Certificate of Conformance	_ _ D _ _	•	•	•	•	•	•		•	•		•	•
Certificate of Calibration	_ _ E _ _	•	•	•	•	•	•		•	•		•	•
Certificate of Conformance & Chart Illumination	_ _ F _ _	•	•	•	•	•	•		•	•		•	•
Certificate of Calibration & Chart Illumination	_ _ G _ _	•	•	•	•	•	•		•	•		•	•

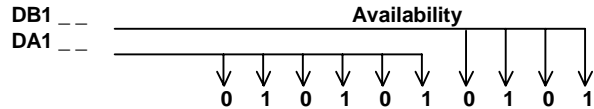


TABLE VII OPTIONS (Continued)

Selection	1	1	2	2	3	3	3	3	6	6
None	0 0	•	•	•	•	•	•	•	•	•
Remote Compensation Box Input (60 deg C All Inputs)	0 E	•	•	•	•	•	•	•	•	•
Mounting of Scale Ordered Separately (Note 4)	H 0	•	•	•	•	•	•	•	•	•
Mounting of Scale Ordered Separately (Note 4) Plus Remote Compensation Box Input (60 deg C All Inputs)	H E	•	•	•	•	•	•	•	•	•
Mounting of Scale Ordered Separately (Note 4) Plus										

TABLE VIII Specials

None	0 0 0	•	•	•	•	•	•	•	•	•
ST Number (Consult Fort Washington)	X X X	•	•	•	•	•	•	•	•	•

TABLE IX Manuals

Product Information on CD	00	•	•	•	•	•	•	•	•	•
English	EN	•	•	•	•	•	•	•	•	•
French	FR	•	•	•	•	•	•	•	•	•
German	GE	•	•	•	•	•	•	•	•	•
Italian	IT	•	•	•	•	•	•	•	•	•
Spanish	SP	•	•	•	•	•	•	•	•	•
Swedish	SW	•	•	•	•	•	•	•	•	•
Dutch	DU	•	•	•	•	•	•	•	•	•

Note 1: Alarm output: "N.C." contact. Can be changed to "N.O." Alarms are configured 1 High and 1 Low on each channel except for Selection 6 which is configured as High Alarm on each channel. The Alarm Setpoint Value can be changed from the front key panel.

Note 2: Portable case with dark gray door, plastic window, latch, rear main switch. IEC main plug connector and rear cover. (Not available with UL/CSA Approval.)

Note 3: Consult Factory.

Note 4: For chart range and scale configuration different than what is specified in Table I, specify Table VII option \_ \_ \_ H0 and complete the following table. For mV, V, and mA the input signal can be selected within the range actuation limits (minimum range is 20%). For T/C and RTD ranges the chart range and scale can be selected within the range actuation limits (minimum chart range is 20%). Refer to the DPR 100 A/B scales list for available scales. The information in the table is to be entered in the free form section of the order. Multipoint units come with a single scale.

Note 5: Speed 1 can be changed from the front key panel.

Note 6: The units are built with Universal input and are delivered with 250 ohm resistors to convert input current signal 4-20 mA into 1-5 volts dc.

Table for Table VII Option \_ \_ \_ H0

Pen # (DA1XX)	Multipoint Channel # (DB1XX)	Input* Signal	Burnout**	Chart		Scale	
				Range	Eng. Unit**	Range	Item #
1	1						
2	2						
3	3						
	4						
	5						
	6						

\* For mV, V, and mA, the input signal can be scaled within the actuation limits (minimum input scaling is 20%).

\*\* Burnout is factory set as indicated in Table I. Burnout on 4-20 mA and the 0-10 volt range is fixed at downscale burnout. All other ranges burnout can be set per customer request except RTD's which is fixed at upscale burnout.

\*\*\* Engineering Units is 5 characters maximum.

**RESTRICTIONS**

Restriction Letter	Available Only With		Not Available With	
	Table	Selection	Table	Selection
c			VII	R _ _ _ , S _ _ _ T _ _ _ , U _ _ _ G _ _ _ , P _ _ _
d	50 deg C maximum temperature limit			