

Series DR4500A Digital Circular Chart Recorders

Model Selection Guide

Instructions

- Select the desired Key Number. The arrow to the right marks the selection available.
- Make one selection each from Tables I through VI, using the column below the proper arrow. A dot (•) denotes unrestricted availability. A letter denotes restricted availability.

Key Number	I	II	III	IV	V	VI
_____	_____	_____	_____	_____	_____	_____

KEY NUMBER	Selection	Availability						
1 Pen - Classic	DR45A1	↓						
2 Pen - Classic	DR45A2		↓					
Truline	DR45AT			↓				
Truline - Relay Expansion	DR45AR				↓			
Truline - Flow Recorder	DR45AW					↓		
Truline - HTST	DR45AH						↓	
Truline - Pasteurization Recorder - Flow	DR45AP							↓
Truline - Safety Thermal Limit Recorder	DR45AS							↓

TABLE I - INPUT

Channel 1	T/C, RTD, mV, 0-5 VDC, 4-20 mA, Radimatic 0-10 VDC	1 ___ 3 ___	• •	• •	• •	c c	• •	• •	• •
Channel 2	None T/C, RTD, mV, 0-5 VDC, 4-20 mA, Radimatic T/C, RTD, mV, 0-5 VDC, 4-20 mA, Radimatic 0-10 VDC 0-10 VDC	_ 0 _ _ 1 _ _ 1 _ _ 3 _ _ 3 _	• • • •	• • • •	• • c c	• • • •	• • • •	• • • •	• • • •
Channel 3	None T/C, RTD, mV, 0-5 VDC, 4-20 mA, Radimatic 0-10 VDC	_ _ 0 _ _ _ 1 _ _ _ 3 _	• • •	• • •	• • •	e e e	• • •	d d d	• • •
Channel 4	None T/C, RTD, mV, 0-5 IVDC, 4-20 mA, Radimatic 0-10 VDC	_ _ _ 0 _ _ _ 1 _ _ _ 3	• • •	• • •	• • •	g g g	• • •	f f f	• • •

		Availability								
		DR45A	↓	↓	↓	↓	↓	↓		
TABLE II - EXTERNAL OUTPUTS (Note 2)		Selection	1	2	T	R	W	H	P	S
None	0 _	•	•	•	•	•	•			•
Control Output #1	1 _	•	•							
Control Output #1	1 _							h	h	
Control Output #1	4 _			•	•					
Pulse Output	5 _					•				
None	_ 0	•	•	•	•	•	•	•	•	•
Control Output #2	_ 1		j						r	
Control Output #2	_ 4			j	u					

TABLE III - EXTERNAL INTERFACE AND PEN SELECTION

None	0 __	•	•	•	•	•	•	•	•	•
Auxiliary 4-20 mA Output	1 __	•	•	•	•	•	•	•	•	•
RS485 Modbus RTU Communications	3 __	•	•	•	•	•	•			
RS485 Modbus RTU plus Auxiliary 4-20mA Output	4 __	•	•	•	•	•	•			
Standard Pen (Classic) or Truline High Speed Pen	_ 0 _	•	•	•	•	•	•	•	•	•
Abrasion Resistant Pen on Truline	_ 1 _			k	k	k	k	k	k	k
None	-- 0	•	•	•	•	•	•	•	•	
2 Alarms/2 Digital Inputs	-- 1	•	•	•	•	•	•			•
4 Alarms/2 Digital Inputs	-- 2				v					
6 Alarms/2 Digital Inputs	-- 3				w					
1 Alarm/1 Timer Output/2 Digital Inputs	-- 4	•	•	•	•	•				

TABLE IV - SOFTWARE OPTIONS

None	0	•	•	•	•	•	•	•	•	•
Totalization (Input #1)	A	•	•	•	•	•	•			
Totalization (Inputs #1 and #2)	E		•	•	•	•	•			
Totalization (Inputs #1, #2, #3, and #4)	H					•	•			
FO Sterilization Calculation	F				•					
Math (Note 3)	B			•	•	•	•			
Totalization (Input #1) Plus Math	K			•	•	•	•			
Totalization (Inputs #1 and #2) Plus Math	L			•	•	•	•			
Totalization (Inputs #1, #2, #3 and #4) Plus Math	M					•	•			

RESTRICTIONS

Restriction Letter	Available Only With		Not Available With	
	Table	Selection	Table	Selection
c				Not available with T/Cs B, N, R, W; but includes 200 ohm RTD Actuation
d	I	11 __, 31 __, 13 __, 33 __		
e	I	11 __, 31 __, 13 __, 33 __ Not available with T/Cs B, N, R, W; but includes 200 ohm RTD Actuation		
f	I	111 __, 113 __, 131 __, 133 __, 311 __, 313 __, 331 __, 333 __		
g	I	111 __, 113 __, 131 __, 133 __, 311 __, 313 __, 331 __, 333 __ Not available with T/Cs B, N, R, W; but includes 200 ohm RTD Actuation		
h		Available only with 4-20 mA control output		
j	I II	11 __, 31 __, 13 __, 33 __ 1 _ for Classic, 4 _ for Truline (DR45AT or DR45AR)		
k		Available only with chart rotations of 24 to 744 hours on Truline.		
m			V	2_____, 3_____ P_____, R_____, S_____
q		Not available with NEMA4 Door	V	P_____, R_____, S_____
r	I II	11 __, 31 __, 13 __, 33 __ 6 __, (1 __, for DR45AP Model) available only with 4-20 mA control output		
t		Not available with CE Mark Option	V	XXXXXX, XXXLXX, XXXMXX, XXXNXX
u	I II	11 __, 31 __, 13 __, 33 __ 1 _ for Classic, 4 _ for Truline (DR45AT or DR45AR) available only with 4 - 20 mA control output		
v	II	4 __, Alarms 1 - 4 Plus 4-20ma Control Output Supplied		
w	II	_ 4, Alarms 1 - 6 Plus 2nd 4-20ma Control Output Supplied		

Note 1: Calibration Test Reports/Certificates require specific Range and Input Actuation data from the customer. Form F3399 Supplemental Data must be completed. This can be downloaded from the Honeywell SalesNet site or the Global Technical Services site: <<http://content.honeywell.com/ipc/faq/>> FAX to York Customer Service at 717-771-8236.

Note 2: All control outputs come standard with Accutune II[®] tuning capability. Setpoint Programming capability is available on all models except DR45AH/AS/AP. Each Output Board to be used for control purposes requires an Analog Input be ordered to work properly.

Note 3: Math includes Summer, Multiple Divider with Square Root, Multiplier with Square Root, Multiplier Divider, Multiplier, Subtractor Multiplier, HiLo Select.

Note 4: Customer must supply completed "Configuration Worksheets" with order for units to be Factory Configured (York Customer Service FAX 717-771-8236)