

## UDC2300 Universal Digital Controller

## Model Selection Guide

### Instructions

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

Key Numbers      I      II      III      IV      V      VI  
**DC230\_**   -  -  -  -  -  - **0**

KEY NUMBER	Description	Selection	Availability		
Standard Controller Model		DC230B	↓		
Limit Controller Model		DC230L		↓	
Digital Indicator Model		DC230I			↓

TABLE I

Output #1	None	0 _			•
	Current	C _	•		
	Relay, E-M 5 amp	E _	•	•	
	Relay, E-M 10 amp & one 5 amp Alarm Relay	R _	a	a	
	Relay, SS 1 amp	A _	•	•	
	Relay, SS 10 amp (external)	S _	•	•	
	Open Collector Output	T _	•		
Output #2 or Alarm #2 and Alarm #1	No additional Outputs or Alarms	_ 0	•	•	•
	Relay, E-M and Alarm 1	_ E	•	•	•
	Relay, SS 1 amp and Alarm 1	_ A	•		•
	Relay, SS 10 amp and Alarm 1	_ S	•		
	Open Collector Output and Alarm 1	_ T	•		•

TABLE II

External Interface	None	0 _	•	•	•
	RS-422/485/ASCII + MODBUS	1 _	•	c	•
	Auxiliary Output or Digital Input	2 _	•	•	
Software Options	Single Display with Accutune II on DC230B	_ 0	•	•	•
	Dual Display, Manual/Auto plus Accutune II	_ A	•		
	Set Point Programming (SPP) plus Dual Display plus Manual/Auto and Accutune II	_ B	•		

TABLE III

PV Input	T/C, RTD, Radiamatic, mV, 0-5V, 1-5V, 0-20mA, 4-20mA	1 _	•	•	•
	T/C, RTD, Radiamatic, mV, 0-5V, 1-5V, 0-20mA, 4-20mA, 0-10V	2 _	•	•	•
Optional Input	None	_ 0	•	•	•
	0-2V, 0-5V, 1-5V, 0-20mA, 4-20mA	_ 1	•		

		Availability			
		DC230	B	L	I
		Selection			
Options	90-264 Vac Power	0 _ _ _ _ _	•	•	•
	24 Vac/dc Power	1 _ _ _ _ _	b		
	CE, UL & AGA Standard	_ 0 _ _ _ _	•	c	•
	CE, UL, CSA, AGA & FM	_ A _ _ _ _	•	c	•
	CE	_ B _ _ _ _	•	•	•
	None	_ _ 0 _ _ _	•	•	•
	Customer ID Tag (1 Line - 30 characters max.)	_ _ T _ _ _	•	•	•
	None	_ _ _ 0 _ _	•	•	•
	Rear Terminal Kit	_ _ _ P _ _	•	•	•
	Gray Elastomer Bezel	_ _ _ _ 0 _	•	•	•
	Blue Elastomer Bezel	_ _ _ _ B _	•	•	•
	Tan Elastomer Bezel	_ _ _ _ T _	•	•	•
	None (Future)	_ _ _ _ _ 0 _	•	•	•
	None (Future)	_ _ _ _ _ 0	•	•	•

TABLE V

Product Information	Product Information on CD - All Languages	2 _	•	•	•
	English (Hard Copy) - Manual	E _	e	e	e
	French (Hard Copy) - Manual # FR1I-6236	F _	•		
	German (Hard Copy) - Manual # GE1I-6236	G _	•		
	Italian (Hard Copy) Manual # 51-52-25-83-IT	I _	•		
	Spanish (Hard Copy) Manual # SP1L-6236	S _	•		
Other	None	_ 0	•	•	•
	Certificate of Conformance (F3391)	_ C	•	•	•
	Special Instrument Requirement	_ S	d	d	d

TABLE VI

No Selection		0	•	•	•
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## RESTRICTIONS/NOTES

Restriction Letter	Not Available With		Available Only With	
	Table	Selection	Table	Selection
a			I	_ 0
b	I	_ 0	III	_ 1
c	Limit Controller Restrictions/Comments: 1. FM approved units with communications are limited to Read Only. 2. FM approved units are restricted to TC and RTD type PV inputs. 3. UL listed for regulatory use only.			
d	Consult Factory			
e	For Standard Controller - Manual # 51-52-25-73C will be supplied			
	For Limit Controller - Manual # 51-52-25-74B will be supplied			
	For Digital Indicator - Manual # 51-52-25-84A will be supplied			

## UDC2300 Universal Digital Controller

## Supplemental Accessories & Kits

Description		Part Number
Auxiliary Output/Digital Input PWA		51309782-501
Current Output PWA		51309796-501
RS-422/485 ASCII/Modbus Communications PWA		51309831-501
Display/Keyboard Printed Wiring Board		51309766-501
Control/Alarm Relay		30755306-501
Rear Terminal Cover Kit		30756764-002
Bezel Assembly		30756667-503
1 Amp External Solid-State Relay Kit		30756013-001
10 Amp External Solid-State Relay Kit		30756018-001
1 Amp Internal Solid-State Relay		30756725-501
Open Collector Printed Wiring Jumper		30756679-501
Terminal Strip		30754142-003
Gasket (Panel to case)		30756683-001
NEMA 4 Adapter Kit (U.L. Approval Only)		30757215-001
Mounting Kit		30755050-001
0 - 10 Volt Input Resistor Assembly		30754465-501
Case Assembly		51404896-501
250 Ohm Resistor		30731996-506
DIN Adaptor Kit		30755223-003
Product Information on CD	All Languages	51453375-501
Product Manual (8 1/2 x 11)	English	51-52-25-73C
Limit Controller Manual (8 1/2 x 11)	English	51-52-25-74B
Indicator Manual (8 1/2 x 11)	English	51-52-25-84A
Modbus RTU Supplement	English	51-52-25-75
Product Manual (Mini)	English	51-52-25-83D
Product Manual (Addendum)	English	51-52-99-14
PV Hot Start Supplementary Data	English	51-52-00-23
Supplementary Data	English	51-52-00-24
Replacement Instruction Manual	English	51-52-33-107
PROM Replacement Manual	English	51-52-33-110
RS422/485 ASCII Communication Manual	English	51-51-25-85
NEMA 4 Adapter Kit Instruction Manual	English	51-52-33-79D
RS422/485 ASCII Manual	English	51-52-25-35H
Modbus Communications Manual	English	51-52-25-66
Product Manual	French	FR1I-6236
Product Manual	German	GE1I-6236
Product Manual	Italian	51-52-25-83-IT
Product Manual	Spanish	SP1I-6236

