

UDC3200 Universal Digital Controller

Model Selection Guide with Price Data

Model Selection Guide
51-51-16-80 Issue 9

Honeywell Proprietary

New! Easy To Use UDC3200 1/4 DIN Single Loop Controller

The UDC3200 Controller packs new powerful features while retaining all the simplicity and flexibility of the industry standard UDC3300 Controller. Many new optional features include:

- Enhanced Display
- Built-in infrared communications port for configuring with a Pocket PC or Laptop
- PC Based Configuration Tools
- Ethernet Communications
- Two Analog Inputs
- Accutune III, Fast/Slow, Heat/Cool
- Thermocouple Health Monitoring



UDC3200 Controller

Instructions

- Select the desired key number. The arrow to the right marks the selection available.
- Make the desired selections from Tables I through VI using the column below the proper arrow. A dot (•) denotes availability.

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

List Price equals the sum of prices for all selections made.

KEY NUMBER - UDC3200 Single Loop Controller

Description
Digital Controller for use with 90 to 264Vac Power
Digital Controller for use with 24Vac/dc Power

Selection	Availability		If Applicable Stocking P/N	U.S.\$
	↓	↓		
DC3200	↓			635
DC3201		↓		660

TABLE I - Specify Control Output and/or Alarms

Output #1	Output #2 and Alarm #1 or Alarms 1 and 2	C _	E _	A _	T _	R _	_ 0	_ B	_ E	_ A	_ T	
Current Output (4 to 20ma, 0 to 20 ma)	No Additional Outputs or Alarms	•	•				•	•				0
Electro Mechanical Relay (5 Amp Form C)	One Alarm Relay Only	•	•				•	•				0
Solid State Relay (1 Amp)	E-M Relay (5 Amp Form C) Plus Alarm 1 (5 Amp Form C Relay)	•	•				•	•				34
Open Collector transistor output	Solid State Relay (1 Amp) Plus Alarm 1 (5 Amp Form C Relay)	•	•				•	•				62
Dual 2 Amp Relays (Both are Form A) (Heat/Cool Applications)	Open Collector Plus Alarm 1 (5 Amp Form C Relay)	•	•				•	•				62
												17
												0
												62
												62

TABLE II - Communications and Software Selections

Communications	Software Selections	Reserved	Infrared interface	0 _ _ _	1 _ _ _	2 _ _ _	3 _ _ _	_ 0 _ _	_ A _ _	_ B _ _	_ C _ _	_ _ 0 _	_ _ _ R	
None	Standard Functions, Includes Accutune	No Selection	Infrared Interface Included (Can be used with a Pocket PC)	•	•			•	•			•	•	0
Auxiliary Output/Digital Inputs (1 Aux and 1 DI or 2 DI)	Math Option			•	•			•	•			•	•	137
RS-485 Modbus Plus Auxiliary Output/Digital Inputs	Set Point Programming (1 Program, 12 Segments)			•	•			•	•			•	•	183
10 Base-T Ethernet (Modbus RTU) Plus Auxiliary Output/Digital Inputs	Set Point Programming Plus Math			•	•			•	•			•	•	195
														0
														170
														100
														240
														0
														0

TABLE III - Input 1 can be changed in the field using external resistors

Input 1	TC, RTD, mV, 0-5V, 1-5V
	TC, RTD, mV, 0-5V, 1-5V, 0-20mA, 4-20mA
	TC, RTD, mV, 0-5V, 1-5V, 0-20mA, 4-20mA, 0-10V
	Carbon, Oxygen or Dewpoint (Provides 2 Inputs)
Input 2	None
	TC, RTD, mV, 0-5V, 1-5V, 0-20mA, 4-20mA
	TC, RTD, mV, 0-5V, 1-5V, 0-20mA, 4-20mA, 0-10V
	Slidewire Input for Position Proportional (Requires 2 Relay Outputs)

Selection	Availability		If Applicable Stocking P/N	U.S.\$
	DC 3200	3201		
1 __	•	•		0
2 __	•	•		12
3 __	•	•		45
1 6 0	•	•		240
_ 00	•	•		0
_ 10	•	•		137
_ 20	•	•		177
_ 40	a	a		137

TABLE IV - Options

Approvals	CE (Standard)
	CE, UL and CSA
Tags	None
	Stainless Steel Customer ID Tag - 3 lines w/22 characters/line
Future Options	None
	None
	None

0 _ _ _ _	•	•		0
1 _ _ _ _	•	•		33
_ 0 _ _ _	•	•		0
_ T _ _ _	•	•		45
_ _ 0 _ _	•	•		0
_ _ _ 0 _	•	•		0
_ _ _ _ 0	•	•		0

TABLE V - Product Manuals

Manuals	Product Information on CD - All Languages
	English Manual
	French Manual
	German Manual
	Italian Manual
	Spanish Manual
Certificate	None
	Certificate of Conformance (F3391)

0 _	•	•		0
E _	•	•		12
F _				
G _				
I _				
S _				
_ 0	•	•		0
_ C	•	•		35

TABLE VI

No Selection	None
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0	•	•		0
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ORDERING INSTRUCTIONS: These are provide as guidance for ordering such as those listed

1. Part numbers are provided to facilitate Distributor Stock.
2. Orders may be placed either by model selection or by part number.
3. Part numbers are shown within the model selection tables to assist with compatibility information.
4. Orders placed by model selection are systematically protected against incompatibility.
5. Compatibility assessment is the responsibility of the purchaser for orders placed by part number.
6. Items labeled as N/A are not available via the stocking program and must be ordered by model selection.

RESTRICTIONS

Restriction Letters	Available Only With		Not Available With	
	Table	Selection	Table	Selection
a	I	EE		
	I	AA		
	I	R _		

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Supplemental Accessories & Kits

Description	Part Number	List Price	
Bezel Assembly and Bezel Gasket	51453143-502	**	
Display/Keyboard (with IR)	51452845-501	**	
Power/Output PWA with 2 E-M Relays (90-264 Vac Operation)	51452822-502	**	
Power/Output PWA with 2 E-M Relays (24 Vac/dc Operation)	51452822-503	**	
Optional Analog Input PWA	51452825-501	**	
Auxiliary Output/Digital Input/RS-422/485 Communications PWA	51452810-501	**	
Auxiliary Output/Digital Input/Ethernet Communications PWA	51452816-501	**	
MCU/Inputs PWA	51452819-501	**	
Electro-Mechanical Relay	30755306-501	**	
Open Collector Output PWA	30756679-501	**	
Solid State Relay	30756725-501	**	
Current Output PWA	51452804-501	**	
Dual Electromechanical Relay PWA	51452807-501	**	
Ethernet Adaptor Board Kit	50009071-501	**	
Case Assembly (including Mounting Kit with four brackets)	51452759-501	**	
Varistor (MOV) 120 Vac	30732481-501	**	
Varistor (MOV) 240 Vac	30732481-502	**	
4-20 mA Input Resistor Assembly (250 ohm)	30731996-506	**	
0-10 Volt Input Resistor Assembly (100K pair)	30754465-501	**	
Mounting Kits (12 Brackets)	51452763-501	**	
DIN Adaptor Kit	30755223-003	**	
Process Instrument Explorer Software	50001619-001	**	
Math Software Upgrade	50004635-501	**	
SPP Software Upgrade	50004635-502	**	
Panel Bracket Kit	50004821-501	**	
Product Information on CD	All Languages	51453375-501	**
Quick Start Manual (2 page) Standard	English	51-52-25-129	**
Product Manual	English	51-52-25-119	**

** Consult Honeywell Order Entry Systems for current parts pricing.