Manuals+ — User Manuals Simplified.

Honeywell UDC3200 Universal Digital Controller User Guide

**UDC3200 Universal Digital Controller
Model Selection Guide**

UDC3200 Controller

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

The UDC3200 Controller packs new powerful features while retaining all the simplicity and the 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
– Accutane III, Fast/Slow, Heat/Cool
– Thermocouple Health Monitoring

Contents

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 – UDC3200 Single Loop Controller

Description	
Digital Controller for use with 90 to 250Vac Power Digital Controller for use with 24Vac/dc Power	

TABLE I – Specify Control Output and/or Alarms

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

TABLE II – Communications and Software Selections

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

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

		Availability		If Applicable
		DC 3200	3201	Stocking P/N
		Selection ↓	↓	
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	1 _ _ • 2 _ _ • 3 _ _ •	• • •	
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)Carbon, Oxygen, or Dewpoint (Provides 2 Inputs)	_ 00 • _ 10 • _ 20 • _ 40 a _ 60 b	• • • a b	

TABLE IV – Options

Approvals	CE (Standard) CE, UL, and CSA			
one	None Stainless Steel Customer ID Tag – 3 lines w/22 characters/line	0 _ _ _ _ 1 _ _ _ _	•	•	
		_ 0 _ _ _ _ T _ _ _	•	•	
Future Options	None	_ _ 0 _ _ _ _ _ 0 _	•	•	
	None	_ _ _ _ 0	•	•	
	None			

TABLE V – Product Manuals

Manuals	Product Information on CD – All Languages English Manual French Manual German Manual Italian Manual Spanish Manual	0 _ E _ F _ G _ I _ S _	•	•	
Certificate	None Certificate of Conformance (F3391)	_ 0 _ C	•	•	

TABLE VI

No Selection	None	0	•	•	

ORDERING INSTRUCTIONS: These are provided as guidance for ordering such as those listed
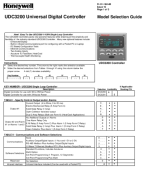
1. Part numbers are provided to facilitate Distributor Stock.
2. Orders may be placed either by model selection or by part number.
3. Part numbers are shown within the model selection tables to assist with compatibility information.
4. Orders placed by model selection are systematically protected against 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		
b	**III**	**1**		

Description		Part Number
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 ohms)		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

Honeywell

Documents / Resources

	Honeywell UDC3200 Universal Digital Controller [pdf] User Guide UDC3200 Universal Digital Controller, UDC3200, Universal Digital Controller