

## UDC1500 MICRO-PRO 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 VIII using the column below the proper arrow.

Key Number      I      II      III      IV      V      VI      VII      VIII  
 [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ]

KEY NUMBER	Description	Selection	Availability					
1/8 DIN Controller: 48x96mm <b>Input Type</b> (Field Selectable)	RTD or Linear mV Thermocouple Linear mA Linear Voltage TPSC Controller * Remote Setpoint, Fuzzy Logic, Digital Input *	DC1501 DC1502 DC1503 DC1504 DC150T DC150R	↓	↓	↓	↓	↓	↓

\* factory set for thermocouple input

TABLE I

<b>Output 1</b> (Control 1)	Relay	1	•	•	•	•	•	•
	SSR Driver	2	•	•	•	•	•	•
	Linear 0 to 10 Volts	3	•	•	•	•	•	•
	Linear 0 to 20 ma	4	•	•	•	•	•	•
	Linear 0 to 5 Volts	5	•	•	•	•	•	•
	Linear 4 to 20 mA	7	•	•	•	•	•	•

TABLE II

<b>Output 2</b> (Control 2 or Alarm 2)	None	0	•	•	•	•	•	•
	Relay	1	•	•	•	•	•	•
	SSR Driver	2	•	•	•	•	•	•
<b>Output 2</b> (Control 2 only)	Linear 0 to 10 Volts	3	•	•	•	•	•	•
	Linear 0 to 20 ma	4	•	•	•	•	•	•
	Linear 0 to 5 Volts	5	•	•	•	•	•	•
	Linear (factory set for 4-20 mA)	7	•	•	•	•	•	•

TABLE III

<b>Output 3</b> (Alarm 1 only)	None	0	•	•	•	•	•	•
	Relay	1	•	•	•	•	•	•
	SSR Driver	2	•	•	•	•	•	•
<b>Output 3</b> (Retransmission only)	Linear (factory set for 4-20 mA)	7	•	•	•	•	•	•

DC150 \_      **Availability**

↓   ↓   ↓   ↓   ↓   ↓

**TABLE IV**

		Selection	1	2	3	4	T	R
Option 1	No Selection	0	•	•	•	•	•	•
	RS485 ASCII Serial Communication	1	•	•	•	•	•	•
	Digital Input (SP1/SP2 Selection)	2	•	•	•	•	•	•
	RS485 MODBUS Communication	3	•	•	•	•	•	•

**TABLE V**

Option 2	Power Supply 90 to 264 Vac	1	•	•	•	•	•	•
	Power Supply 24 to 48 Vac/dc	2	•	•	•	•	•	•

**TABLE VI**

Manuals	EN1I-6155: English Manual for UDC1500 or EN1I-6233: English Manual for UDC150R	0	•	•	•	•	•	•
	FR1I-6155: French Manual for UDC1500	1	•	•	•	•	•	•
	GE1I-6155: German Manual for UDC1500	2	•	•	•	•	•	•
	GE1I-6233: German Manual for UDC150R							•
	IT1I-6155: Italian Manual for UDC1500	3	•	•	•	•	•	•
	SP1I-6155: Spanish Manual for UDC1500	4	•	•	•	•	•	•

**TABLE VII**

Packaging	Individual Carton	0	•	•	•	•	•	•
	Bulk Pack of 10 identical models	1	•	•	•	•	•	•
	Bulk Pack of 50 identical models	2	•	•	•	•	•	•

**TABLE VIII**

Special	None	0	•	•	•	•	•	•
	Special Instrument (Consult Factory)	S	•	•	•	•	•	•

<b>Upgrade Kits</b>	<b>Reference</b>
Relay Output PWA (kit of 5 - for outputs 2 & 3 only)	46189010-501
SSR Output PWA (kit of 5 - for outputs 2 & 3 only)	46189011-501
Linear Output PWA (kit of 5)	46189012-501
Communication PWA * (kit of 5)	46189013-501
Digital Input (SP1/SP2 select) PWA (kit of 5)	46189014-501

\*Provides Modbus communication on units manufactured after 3/19/2001