UDC 3300 to 3500 Wiring Conversion

UDC 3300

Input 1

Thermocuple	RTD	V / mV /mA	
	25 (R)		
26 (+)	26 (+)	26 (+)	
27 (-)	27 (-)	27 (-)	

Input 2

Thermocuple	RTD	V / mV /mA	Slidewire
	22 (R)		22
23 (+)	23 (+)	23 (+)	23
24 (-)	24 (-)	24 (-)	24

Input 3

	V / mV /mA	
	22 (+)	
	24 (-)	

Output 1

Current	Mechanical Relay	Solid State Relay	Open Collector
2 (+)	1 (NC)	2 (C)	2 (+)
3 (-)	2 (C)	3 (NO)	3 (-)
	3 (NO)		

Output 2

Current	Mechanical Relay	Solid State Relay	Open Collector
16 (+)	5 (C)		
17 (-)	6 (NO)		

Output 1 & 2 (Duplex or Position Proportional control)

Mechanical Relay
2 (C)
3 (NO)
5 (C)
6 (NO)

Alarm 1

7 (NC)
8 (C)
9 (NO)

Alarm 2

4 (NC)
5 (C)
6 (NO)

Digital Input 1

10
12 (C)

Digital Input 2

11
12 (C)

Auxilary Output

16 (+)
17 (-)

RS-485 / 422

13 (SHLD)
14 (Rx+)
15 (Rx-)
16 (Tx+)
17 (Tx-)

UDC 3500

Input 1

Thermocuple	RTD	V / mV /mA	
	34 (R)		
35 (+)	35 (+)	35 (+)	
36 (-)	36 (-)	36 (-)	

Input 2

Thermocuple	RTD	V / mV /mA	Slidewire
	31 (R)		(Input 3 Req.)
32 (+)	32 (+)	32 (+)	
33 (-)	33 (-)	33 (-)	

Input 3

	V / mV /mA	Slidewire
	29 (+)	28
	30 (-)	29
		30

Output

Current	Mechanical Relay	Solid State Relay	Open Collector
5 (+)	7 (NC)	8 (C)	8 (+)
6 (-)	8 (C)	9 (NO)	9 (-)
	9 (NO)		

Output 2

Current	Mechanical Relay	Solid State Relay	Open Collector
24 (+)	8 (C)		
25 (-)	7 (NO)		

Output 1 (Dual relay option Specify "R" in Table I)

Mechanical Relay
8 (C)
9 (NO)
8 (C)
7 (NO)

Alarm 1

16 (NC)
17 (C)
18 (NO)

Alarm 2

13 (NC)
14 (C)
15 (NO)

Digital Input 1

19
23 (C)

Digital Input 2

20
23 (C)

Auxilary Output

24 (+)
25 (-)

RS-485 / 422

4 (SHLD)
24 (Rx+)
25 (Rx-)
26 (Tx+)
27 (Tx-)