



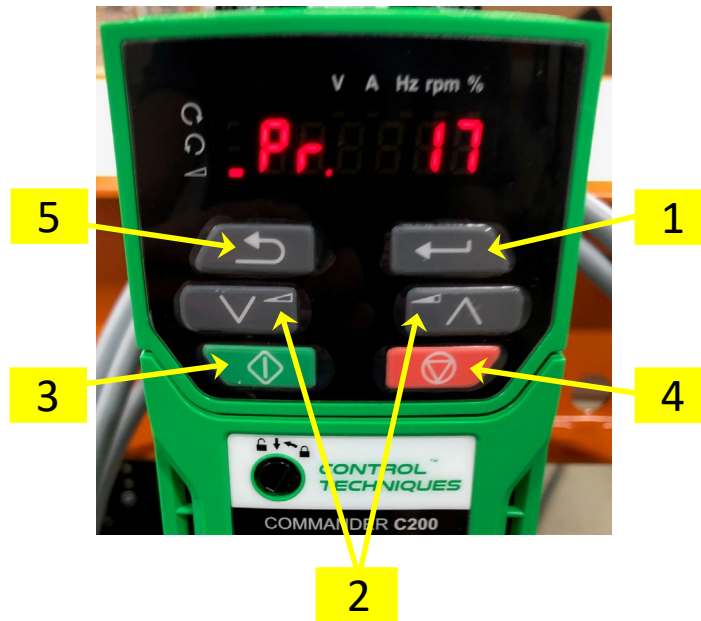
C200 DRIVE SETUP T-99 INDEX/REVERSE PACKAGE



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C200 Keypad Description



1. The **Enter** button is used to enter parameter view or edit mode, or to accept a parameter edit.
2. The **Navigation** buttons can be used to select individual parameters or to edit parameter values. In keypad mode, the **Up** and **Down** keys are also used to increase or decrease the motor speed.
3. The **Start** button (green) is used to start the drive in keypad mode.
4. The **Stop / Reset** button (red) is used to stop and reset the drive in keypad mode. It can also be used to reset the drive in terminal mode.
5. The **Escape** button is used to exit from the parameter edit / view mode or disregard a parameter edit.

Parameter Setting Procedure



Fig 1.

1. Apply power to the control and wait for the “ready” designation. (Fig 1)



Fig 2.

2. Press the “Enter” button to activate the Parameter setting mode. (Fig 2)

3. Use the “Navigation Arrows” to toggle to the desired parameter to be adjusted. (Fig 3)



Fig 3.

4. After acquiring the correct parameter press the “Enter” button to enter the value setting mode. The parameter value will blink when it is in the setting mode. (Fig 4)



Fig 4.

Parameter Setting Procedure



Fig 5.

5. Use the “Navigation Arrows” to adjust the value to the desired setting. (Fig 5) Required values can be found in the table on page 6.



Fig 6.

6. Once the desired value is set it can be saved by pressing the “Enter” button. (Fig 6)



Fig 7.

7. At this time you can toggle through the remaining parameters and set as required.

8. After all values have been set you may return to the run screen by pressing the “Escape” button. (Fig 7)

T-99 Parameter Data Tables

			230 Volt					
Parameter	Parameter Item	Unit	1/4 HP	1/3 HP	1/2 HP	3/4 HP	1 HP	1.5 HP
1	Minimum Speed	Hz	0.00	0.00	0.00	0.00	0.00	0.00
2	Maximum Speed	Hz	60.00	60.00	60.00	60.00	60.00	60.00
3	Acceleration Rate	Seconds	5.00	5.00	5.00	5.00	5.00	5.00
4	Deceleration Rate	Seconds	0.50	0.50	0.50	0.50	0.50	0.50
5	Drive Configuration		PAd	PAd	PAd	PAd	PAd	PAd
6	Motor Rating	Amps	1.2	1.5	2.0	2.8	3.2	4.8
7	Motor Rating	RPM	1725	1725	1725	1725	1725	1725
8	Motor Rating	Voltage	230	230	230	230	230	230
9	Motor Rating	Service Factor	0.85	0.85	0.85	0.85	0.85	0.85
10	User Security Status		Level 2	Level 2	Level 2	Level 2	Level 2	Level 2
11	Momentary/Maintained		On	On	On	On	On	On
12	Forward Timer	ms	TBD	TBD	TBD	TBD	TBD	TBD
13	Reverse Timer	ms	TBD	TBD	TBD	TBD	TBD	TBD
17	Bipolar Reference Enable		On	On	On	On	On	On
27	Power up keypad control		Last	Last	Last	Last	Last	Last

			460 Volt					
Parameter	Parameter Item	Unit	1/4 HP	1/3 HP	1/2 HP	3/4 HP	1 HP	1.5 HP
1	Minimum Speed	Hz	0.00	0.00	0.00	0.00	0.00	0.00
2	Maximum Speed	Hz	60.00	60.00	60.00	60.00	60.00	60.00
3	Acceleration Rate	Seconds	5.00	5.00	5.00	5.00	5.00	5.00
4	Deceleration Rate	Seconds	0.50	0.50	0.50	0.50	0.50	0.50
5	Drive Configuration		PAd	PAd	PAd	PAd	PAd	PAd
6	Motor Rating	Amps	0.7	0.8	1.0	1.4	1.6	2.4
7	Motor Rating	RPM	1725	1725	1725	1725	1725	1725
8	Motor Rating	Voltage	460	460	460	460	460	460
9	Motor Rating	Service Factor	0.85	0.85	0.85	0.85	0.85	0.85
10	User Security Status		Level 2	Level 2	Level 2	Level 2	Level 2	Level 2
11	Momentary/Maintained		On	On	On	On	On	On
12	Forward Timer	ms	TBD	TBD	TBD	TBD	TBD	TBD
13	Reverse Timer	ms	TBD	TBD	TBD	TBD	TBD	TBD
17	Bipolar Reference Enable		On	On	On	On	On	On
27	Power up keypad control		Last	Last	Last	Last	Last	Last

Conveyor Belt Speed (FPM)

(Reducer ratio & Controller setting)

Trimline Conveyor (2.375" diameter pulley) "030" series reducer						
Control Setting \ Reducer Ratio	10 Hz	20 Hz	30 Hz	40 Hz	50 Hz	60 Hz
80:1	2.3	4.7	7.0	9.3	11.7	14.0
50:1	3.7	7.3	11.0	14.7	18.3	22.0
30:1	6.0	12.0	18.0	24.0	30.0	36.0
25:1	7.3	14.7	22.0	29.3	36.7	44.0
20:1	9.2	18.3	27.5	36.7	45.8	55.0
15:1	11.7	23.3	35.0	46.7	58.3	70.0
EA Conveyor (3.375" diameter pulley) "040" series reducer						
Control Setting \ Reducer Ratio	10 Hz	20 Hz	30 Hz	40 Hz	50 Hz	60 Hz
100:1	2.5	5.0	7.5	10.0	12.5	15.0
60:1	4.0	8.0	12.0	16.0	20.0	24.0
50:1	4.8	9.7	14.5	19.3	24.2	29.0
40:1	6.2	12.3	18.5	24.7	30.8	37.0
25:1	9.8	19.7	29.5	39.3	49.2	59.0
20:1	12.3	24.7	37.0	49.3	61.7	74.0
15:1	16.3	32.7	49.0	65.3	81.7	98.0
RM, AD, DD Conveyor (3.5" diameter pulley) "050" series reducer						
Control Setting \ Reducer Ratio	10 Hz	20 Hz	30 Hz	40 Hz	50 Hz	60 Hz
100:1	2.7	5.3	8.0	10.7	13.3	16.0
80:1	3.3	6.7	10.0	13.3	16.7	20.0
40:1	6.7	13.3	20.0	26.7	33.3	40.0
25:1	10.7	21.3	32.0	42.7	53.3	64.0
20:1	13.3	26.7	40.0	53.3	66.7	80.0
RM Conveyor (6.0" diameter pulley) "050" series reducer						
Control Setting \ Reducer Ratio	10 Hz	20 Hz	30 Hz	40 Hz	50 Hz	60 Hz
100:1	4.7	9.3	14.0	18.7	23.3	28.0
80:1	5.8	11.7	17.5	23.3	29.2	35.0
40:1	11.5	23.0	34.5	46.0	57.5	69.0
25:1	18.3	36.7	55.0	73.3	91.7	110.0
20:1	23.0	46.0	69.0	92.0	115.0	138.0

Caution: Do Not Operate between 6 and -6 hertz.
Motor Damage will occur.

T-99 Interface Connections

(Standard Package)

Customer Interface Cord Connections

(Wiring must be complete for system operation)

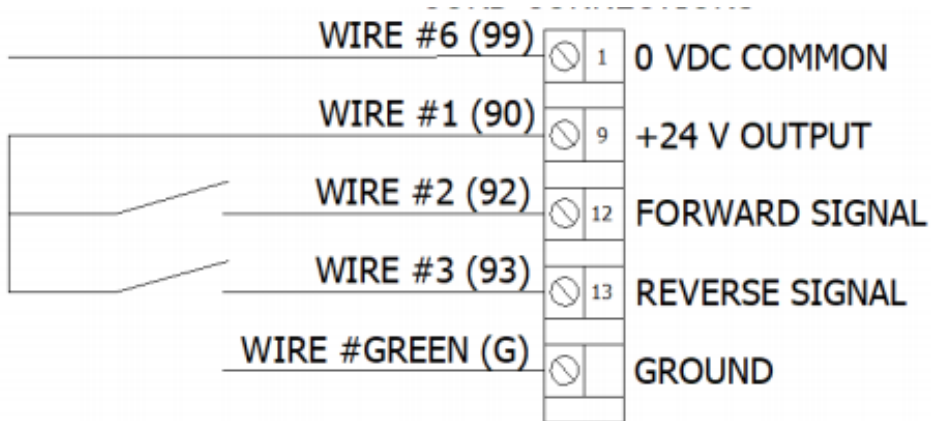


Illustration above shows connections for (NORMALLY OPEN DRY CONTACTS) from external equipment.

NOTE: If external equipment is supplying 24VDC signals for index/reverse signals wire #1 will not be used. Wire according to below:

- a. Wire #8 (control wire #99) will go to external equipment 0VDC (NEUTRAL)
- b. Apply 24VDC (HOT) to wire #2 (92) for forward signal above
- c. Apply 24VDC (HOT) to wire #3 (93) for reverse signal above
- d. Observe parameter 00.011 for Momentary or Maintained signal selections (Off for Momentary, On for Maintained)