



1334-MOD-G5

BCD Interface Adapter

Description

The Bulletin 1334-MOD-G5 adapter provides a convenient means of transferring the BCD interface signals from a programmable controller to multiple Bulletin 1332, 1333 or 1334 AC Drives. Any combination of Bulletin 1332, 1333 or 1334 Drives can be used, however, each Drive must have a multiplexed BCD Interface option installed. Signals from the programmable controller are connected to the adapter through two terminal strips. Drive interconnections are then performed through connectors that permit ribbon cable connections from this board to the BCD Interface Board in each Drive. Connections to remaining Drives are performed through a daisy chain arrangement. Refer to the BCD Interface Kit Instructions for further information.

The Bulletin 1334-MOD-G5 kit includes the following components:

- (1) BCD Interface Adapter Board, P/N 50908
- (4) 1/2", 1/4 Turn Standoffs, P/N 201105

Installation

The BCD Interface Adapter Board is supplied as a loose board for customer mounting. Included with the board are four 1/4 turn Nylock standoffs to aid in mounting the board.

It is recommended that the board be mounted no more than 3 feet (0.9m) from the programmable controller.



WARNING: Only personnel familiar with the Drive and its associated machinery should plan or implement the installation, startup and adjustment of MOD kits. Failure to comply may result in personal injury and/or equipment damage.

To guard against personal injury, always remove power to the Drive at the disconnect device and ensure that the bus is at zero volts when boards or wires are being installed or connected.

Mounting Instructions

1. Remove all sources of power to the various Drives and programmable controller.
2. Locate the area where the BCD Interface Adapter Board is to mounted.
3. Using the board and the dimensions provided in Figure 1, mark the location of the holes to be drilled.
4. Drill four (4) - 1/4" (6.35mm) holes at the locations marked in the previous step.
5. Insert the standoffs into the holes.

Installation
(Continued)

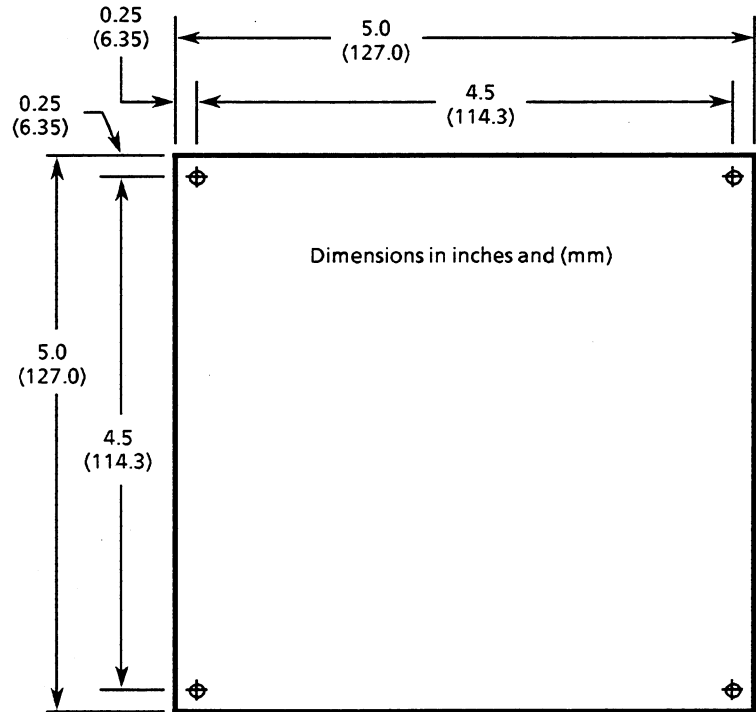


Figure 1 – BCD Interface Adapter Board Dimensions

6. Install the board onto the standoffs and lock in place. See Figure 2.

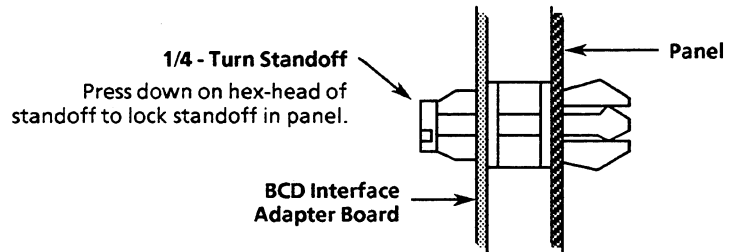


Figure 2 – Board Installation

7. Wire the option as described in the following section.

Wiring

The BCD Interface Adapter Board simply distributes the programmable controller signals for use by other Drives. The board consists of two terminal blocks (TB1 and TB2) and two ribbon cable connectors (J1 and J2). The terminal blocks provide a connecting point for BCD data and Drive strobe signals, while the ribbon cable connectors pass the BCD and strobe signals to the various BCD Interface Boards.

Refer to Figure 3 for connector and terminal block locations. Table A provides a complete listing and cross reference of the signals available at the terminal blocks and ribbon cable connectors.

Figure 4 shows the recommended connections for two Drives operating from a single programmable controller. Since wiring methods will vary depending on the number of Drives and the particular application, the customer is responsible for determining the method of wiring that best suits his application.

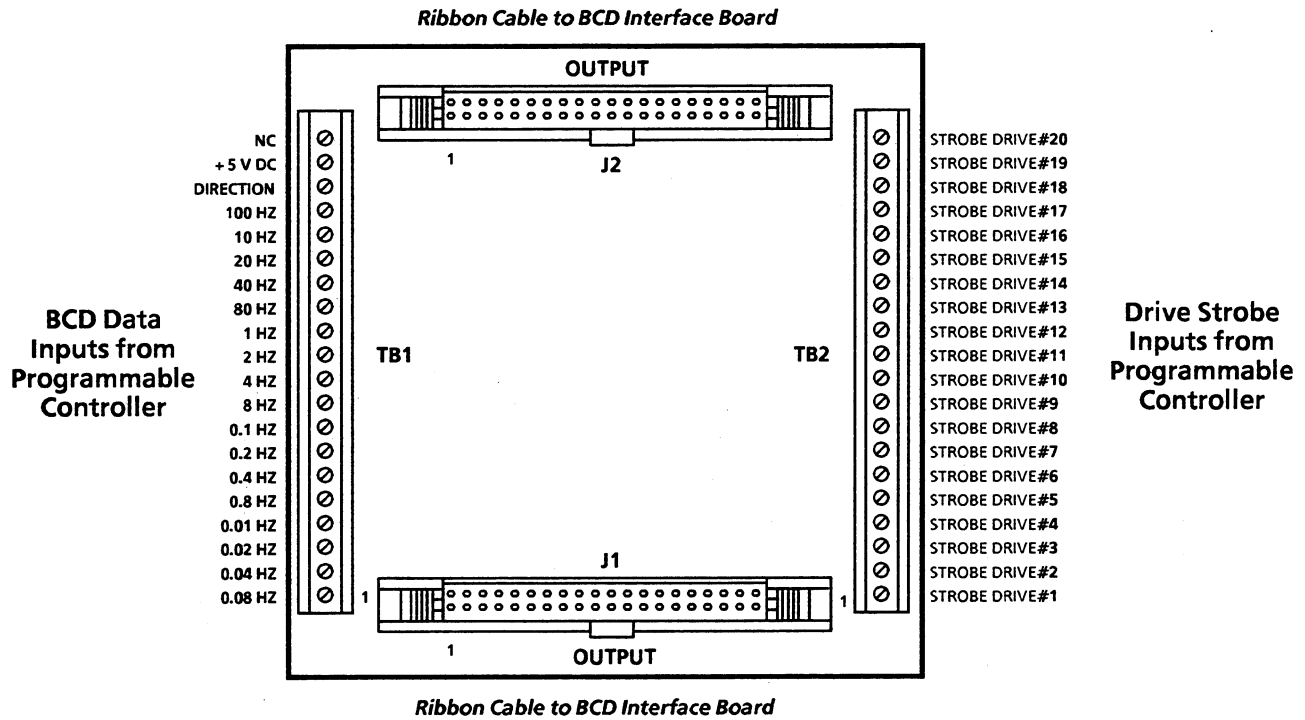


Figure 3 – BCD Multiplex Board Signal Connections

Table A
Terminal Block and Ribbon Cable Connections

TB1 Terminal	Description	J1/J2 Pin	TB2 Terminal	Description	J1/J2 Pin
1	0.08 Hz Data Input	28	1	Strobe, Drive # 1	1
2	0.04Hz Data Input	27	2	Strobe, Drive # 2	2
3	0.02 Hz Data Input	26	3	Strobe, Drive # 3	3
4	0.01 Hz Data Input	25	4	Strobe, Drive # 4	4
5	0.8 Hz Data Input	32	5	Strobe, Drive # 5	5
6	0.4 Hz Data Input	31	6	Strobe, Drive # 6	6
7	0.2 Hz Data Input	30	7	Strobe, Drive # 7	7
8	0.1 Hz Data Input	29	8	Strobe, Drive # 8	8
9	8 Hz Data Input	36	9	Strobe, Drive # 9	9
10	4 Hz Data Input	35	10	Strobe, Drive # 10	10
11	2 Hz Data Input	34	11	Strobe, Drive # 11	11
12	1 Hz Data Input	33	12	Strobe, Drive # 12	12
13	80 Hz Data Input	40	13	Strobe, Drive # 13	13
14	40 Hz Data Input	39	14	Strobe, Drive # 14	14
15	20 Hz Data Input	38	15	Strobe, Drive # 15	15
16	10 Hz Data Input	37	16	Strobe, Drive # 16	16
17	100 Hz Data Input	23	17	Strobe, Drive # 17	17
18	Direction Data Input	24	18	Strobe, Drive # 18	18
19	+ 5V Supply	21, 22	19	Strobe, Drive # 19	19
20	No Connection	-	20	Strobe, Drive # 20	20

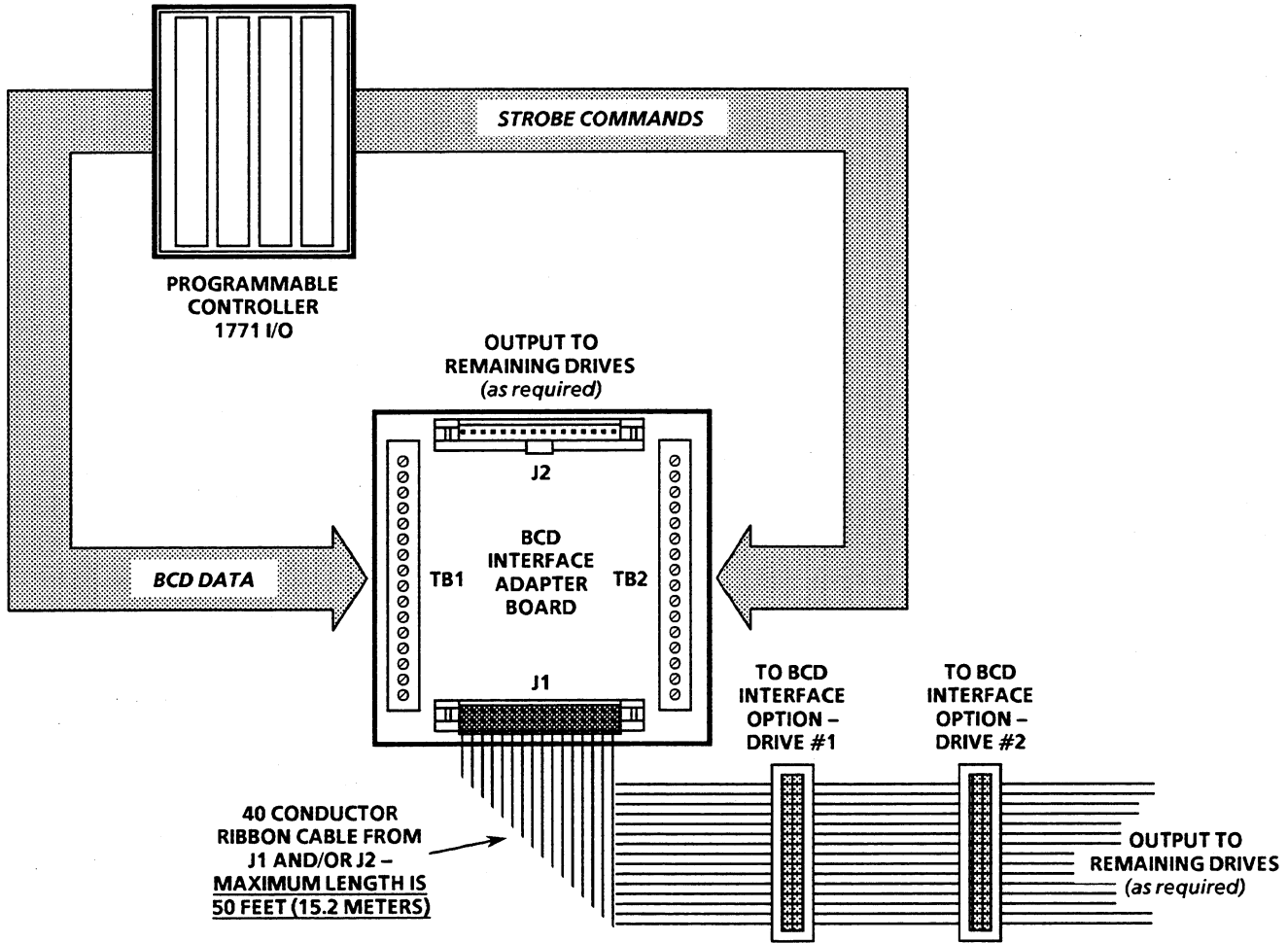


Figure 4 – Recommended Interconnections, Two Drives



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