

HABITEST LINC OUTPUT CONVERTER

USERS GUIDE



986055



The 986055 Habitest Linc Output Converter was designed to provide 5 Volt TTL compatible outputs simultaneously while running experiments within the Habitest System. The 986055 converts the –28VDC outputs from the H02-08 or H02-01 Habitest Lincs to standard 5Volt, High True, TTL Logic. 14 of the 18 signal lines are available as 5 Volt TTL outputs when the Habitest Linc Output Converter is used in conjunction with a Habitest Linc.

To use the 986055 connect the 40-Pin ribbon cable from the Environment Control Board (H03-04) to the bottom 40-Pin connector labeled “To Connector Board (H03-04). This connector is located on the side of the 986055 with the two 40- Pin IDC type connectors. The cable is included with ECB (H03-04).

Connect another 40-Pin Ribbon Cable (included with the 986055) to the top 40- Pin connector of the 986055. This cable also connects to the Habitest Linc (H02- 08 or H01-02) to either the A or B side. If you need 5 Volt TTL outputs from both the A and B side of a Habitest Linc you will need two (2) 986055 Habitest Output Converters. These connectors provide the -28 volt pass through between the Habitest Linc and the Environment.

The connector on the other side of the 986055 a 16 pin screw terminal type connector. This connector contains the converted +5V TTL outputs. The table below provides the pinout by function for this connector. The cable for this connection should be provided by the manufacturer of the system that is being interfaced to the Habitest System. If the cable is not available or your need a cable manufactured for your applications you can contact Coulbourn Instruments for a quotation or provide the information below to anyone who will be manufacturing the cable for you.

SCREW TERMINAL PINOUT

Screw Terminal	Signal name	Screw Terminal	Signal Name
1	GND	9	CUE 1-3
2	HOUSE LIGHT	10	CUE 1-2
3	TONE	11	CUE 1-1
4	FEEDER OP 2	12	SWITCH 4
5	FEEDER OP 1	13	SWITCH 3
6	CUE 2-3	14	SWITCH 2
7	CUE 2-2	15	SWITCH 1
8	CUE 2-1	16	GND