Technical Practice

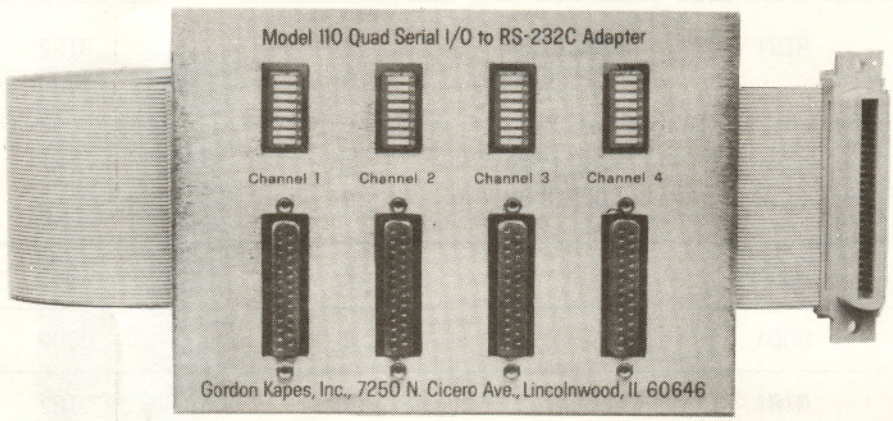
5520 West Touhy Avenue
Skokie, Illinois 60077
Telephone 312| 676-1750

GORDON KAPES | INC.

Issue 2, March 1987

MODEL 110 QUAD SERIAL I/O TO RS-232C ADAPTER

Contents



1. General Description

1.1 The Model 110 Quad Serial I/O to RS-232C Adapter is designed specifically for ROLM CBX systems to simplify connection of data equipment to the Quad Serial I/O channels.
1.2 The Model 110 is a metal bracket which mounts inside the CBX cabinet. A four (4) foot ribbon cable with a 25-pair connector terminates at the Quad Serial I/O paddleboard. Four (4) RS-232C compatible connectors are located on the Model 110 for direct connection of data equipment. Each channel has an eight (8) position DIP type switch for configuring the data channels.
1.3 The Model 110 measures 4.5" X 6.25" X 2.5" and weighs 1.3 pounds.

2. Application

2.1 The primary application for the Model 110 is to simplify connection of data equipment to the Quad Serial I/O channels. The eight (8) position switch associated with each channel allows installer flexibility when configuring the data channels.

3. Installation

3.1 The Model 110 should be inspected for damage immediately upon receipt. If damage is found, a claim should be filed with the shipper. A replacement Model 110 should be ordered if necessary.
3.2 The Model 110 bracket attaches to the CBX frame using two (2) pan head screws which are provided.
3.3 The 25-pair connector on the Model 110 ribbon cable attaches to the CBX system's Quad serial I/O paddleboard.
3.4 Channel 1 through Channel 4 switches should be programmed for correct connection to the RS-232C connectors (refer to figure 1).

4. Specifications

Channel connectors:
Four (4) 25-pin RS-232C compatible connectors (female).

Paddleboard connection:
Four (4) foot ribbon cable with 25-pair connector attached.

Dimensions:
4.5" (11.4cm) X 6.25" (15.8cm) X 2.5" (6.4cm)
(Height X Width X Depth)

Weight:
1.3 pounds (.5kg)

Mounting:
Two (2) 10-32 pan head screws (provided)

5. Repair and Replacement

5.1 Should problems arise in the operation of the Model 110 it is advised to review Section 3 - Installation of this practice. Insure that all connections are properly made. If another Model 110 is available, substitute and retest.
5.2 If it is detemined that the Model 110 is defective, return for repair or replacement according to the Gordon Kapes, Inc. Warranty/Repair and Return Policy.

Figure 1. Switch Programming

CHANNEL 1

Channel 1 Quad Serial I/O Connection	Channel 1 Switch No./Setting	Channel 1 RS-232C Connection
TXD1	1 ON, 2 OFF, 1 OFF, 2 ON	2 3
RXD1	3 ON, 4 OFF 3 OFF, 4 ON	3 2
RTS1	5 ON, 6 OFF 5 OFF, 6 ON	4 5
CTS1	7 ON, 8 OFF 7 OFF, 8 ON	5 4
GND1	-	7
DCD1	-	8
DTR1	-	20

CHANNEL 2

Channel 2 Quad Serial I/O Connection	Channel 2 Switch No./Setting	Channel 2 RS-232C Connection
TXD2	1 ON, 2 OFF, 1 OFF, 2 ON	2 3
RXD2	3 ON, 4 OFF 3 OFF, 4 ON	3 2
RTS2	5 ON, 6 OFF 5 OFF, 6 ON	4 5
CTS2	7 ON, 8 OFF 7 OFF, 8 ON	5 4
GND2	-	7
DCD2	-	8
DTR2	-	20

CHANNEL 3

Channel 3 Quad Serial I/O Connection	Channel 3 Switch No./Setting	Channel 3 RS-232C Connection
TXD3	1 ON, 2 OFF 1 OFF, 2 ON	2 3
RXD3	3 ON, 4 OFF 3 OFF, 4 ON	3 2
RTS3	5 ON, 6 OFF 5 OFF, 6 ON	4 5
CTS3	7 ON, 8 OFF 7 OFF, 8 ON	5 4
GND3	-	7
DCD3	-	8
DTR3	-	20

CHANNEL 4

Channel 4 Quad Serial I/O Connection	Channel 4 Switch No./Setting	Channel 4 RS-232C Connection
TXD4	1 ON, 2 OFF 1 OFF, 2 ON	2 3
RXD4	3 ON, 4 OFF 3 OFF, 4 ON	3 2
RTS4	5 ON, 6 OFF 5 OFF, 6 ON	4 5
CTS4	7 ON, 8 OFF 7 OFF, 8 ON	5 4
GND4	-	7
DCD4	-	8
DTR4	-	20