

MODEL 8022DR

2-CHANNEL LINE RECEIVER/LINE DRIVER CARD

The Model 8022DR 2-Channel Line Receiver/line Driver Card is a component of the IED 8000 Series . Installation consists of three steps, channel selection, terminating resistance selection, and setting the gain.

CHANNEL SELECTION

The ribbon cables used in the 8000 system carry 4 audio channels. Since the 8022DR is a 2 audio channel device, the channels which it will process must be selected. Channel selection is accomplished by use of jumpers. Typically, the card is set up to process channels 1 and 2 or 3 and 4. Refer to figure 1 for the location of the jumpers on the circuit card. The factory will set up the jumpers according to the requirements of the system design. If a card needs to be changed in the field, refer to figure 2 for location of the audio channel selection jumpers. Jumpers must be placed in the '+' and '-' positions of both the input and output channels.

ADJUSTING THE 8022DR CARD TERMINATING RESISTANCE

The terminating resistance for the 8022DR card receivers are adjusted via jumpers J1 through J3 for channel 1 and J4 through J6 for channel 2. The location of these jumpers is shown in figure 1. Table 1 illustrates the jumper combinations to use to achieve the various terminaton resistance values. See IED Application Note 8 80 H to determine the correct termination resistance value for your application.

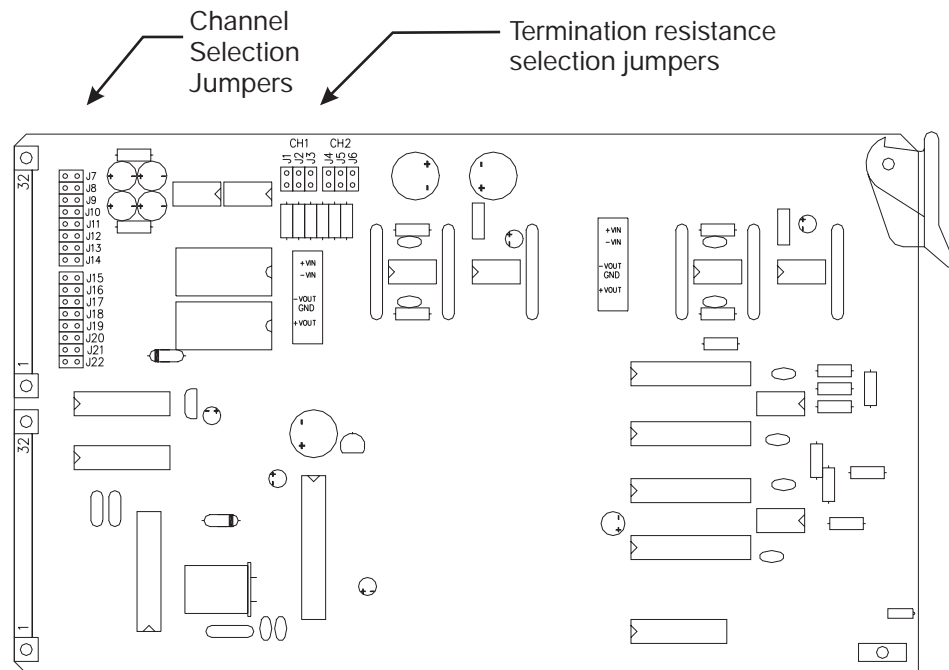


Figure 1 - 8022DR Card Jumper Locations



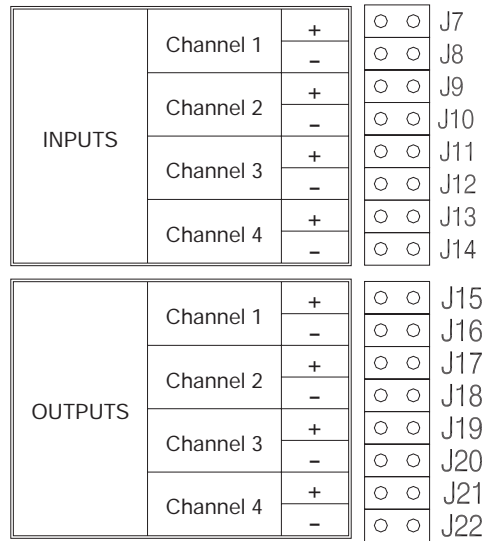


Figure 2 - Channel Jumper Assignments

CHANNEL 1 JUMPERS	CHANNEL 2 JUMPERS	PLACEMENT DIAGRAM	TERMINATION RESISTANCE
-	-		600
J1	J4		300
J2	J5		200
J1+J2	J4+J5		150
J1+J3	J4+J6		100
J2+J3	J5+J6		86
J1+J2+J3	J4+J5+J6		75

Table 1 - Jumper Combinations to achieve selected termination resistance values

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