

## 2.11 Program Input Fault Time-out

You can enable an automatic turn-off of the carrier in the event of program failure. To enable this option, see illustration 2-17 on page 2-15. The time between program failure and carrier turn-off is set by a jumper (JP1) on the voltage regulator board (see page 6-17 for board location). Jumper pins 1 and 2 (the two pins closest to the edge of the board) for a delay of approximately 30 seconds; pins 3 and 4 for a 2-minute delay; pins 5 and 6 for a 4-minute delay, and pins 7 and 8 for an 8-minute delay.

## 2.12 Remote I/O Connector

Remote control and remote metering of the transmitter is made possible through a 15-pin, D-sub connector on the rear panel. (No connections are required for normal operation.)

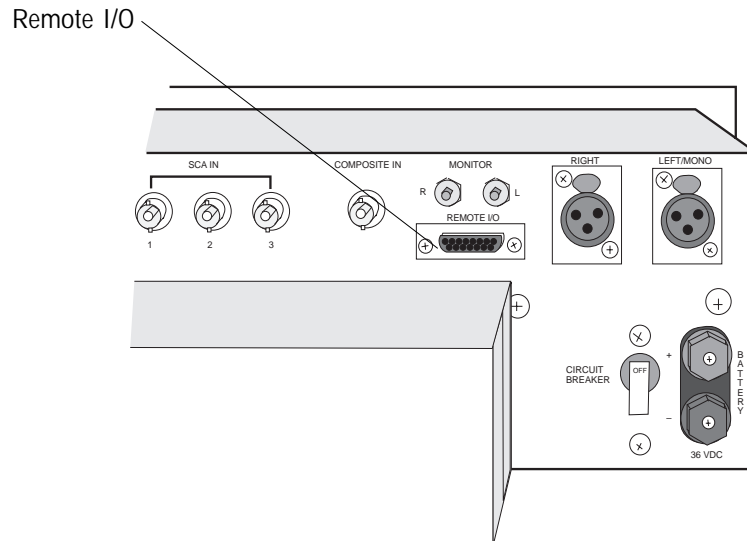
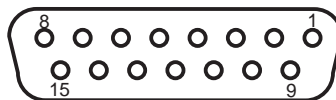


Illustration 2-16 Remote I/O Connector

Illustration 2-17 on page 2-15 summarizes the Remote I/O pin connections.

Pin Number	Function
1	<b>Ground</b>
2	(no connection)
3	<b>Composite Out</b> (sample of stereo generator output)
4	<b>FSK In</b> (Normally high; pull low to shift carrier frequency approximately 7.5 kHz. Connect to open collector or relay contacts of user-supplied FSK keyer.)
5	<b>/Auto Carrier Off</b> (Pull low to enable automatic turnoff of carrier with program failure.)
6	<b>Meter Battery</b> (unregulated DC voltage; 5 volts = 50 VDC)
7	<b>Meter RF Watts</b> (1 volt = 100 watts)
8	<b>Meter PA Volts</b> (5 volts = 50 VDC)
9	<b>/Ext. Enable</b> (Pull low to disable internal stereo generator and enable External Composite Input.)
10	a) <b>38 kHz Out</b> (From stereo generator for power supply synchronization.)  b) For transmitters equipped with tuner option, this pin becomes the right audio output for an 8-ohm monitor speaker. <b>38kHz Out</b> is disabled.
11	<b>ALC</b>
12	<b>/Carrier Off</b> (pull low to turn carrier off.)
13	<b>Fault Summary</b> (line goes high if any fault light is activated.)
14	<b>Meter PA Temperature</b> (5 volts = 100 degrees C.)
15	<b>Meter PA Current</b> (1 volt = 10 amperes DC.)



**Illustration 2-17 Remote I/O Connector (DB-15 Female)**