

## CTD-3104A Typical Wiring Configuration

In this configuration the CTD-3104A will provide a contact closure to the Ad Insertion system once a valid cue tone ON sequence has been received. Relay contact will open once a valid cue tone Off sequence has been received. Refer to page 9 of the CTD-3104A manual to program dip switches for cue tone sequence. Factory default settings are 888\*#. 10 bit program switch is set for 4T AA On/Off Latch. Refer to page 7 of the CTD-3104A manual to change configuration.

**Typical Ad Insertion System**  
Refer to the manufacturers operation manual to determine GPI input connections.

### CTD-3104A Rear Panel Connections

TBX-1	<b>Logic Out, +12VDC = relay on, 2.5VDC = relay on</b>	Lout
TBX-2	<b>Relay K1-A, Normally Open Contact</b>	KAno
TBX-3	<b>Relay K1-C, Normally Open Contact</b>	KCno
TBX-4	<b>K1-C, Normally Closed Contact</b>	KCnc
TBX-5	<b>Manual Set (ON)</b>	Set
TBX-6	<b>Manual Reset (OFF)</b>	Rset
TBX-7	<b>Low Impedance, Audio Input (+) (600 ohms)</b>	DTMF +LZ
TBX-8	<b>Ground</b>	G
TBX-9	<b>Hi Impedance, Audio Input (+) (50K ohms)</b>	DTMF +HZ
TBX-10	<b>Relay K1-A, Common Contact</b>	KAC
TBX-11	<b>Relay K1-C, Common Contact</b>	KCC
TBX-12	<b>Ground</b>	G

**DTMF Cue Tone Audio from Satellite Receiver**  
(Un-Balanced)

