



CDS Application Note #4©

Application: Use the CDS-300 or CDS-302 and the optional CTD-1 module with a dial up auto coupler to provide a back haul confidence monitor.

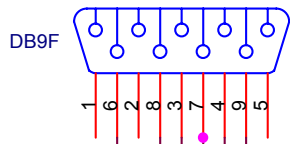
Benefits:

This application provides the switching and DA capability that either the CDS-300 or CDS-302 normally provide along with the ability to have a back haul listen line using a simple auto coupler.

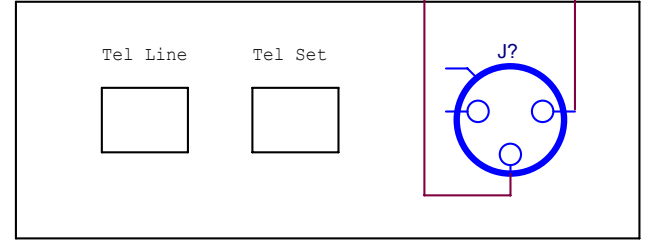
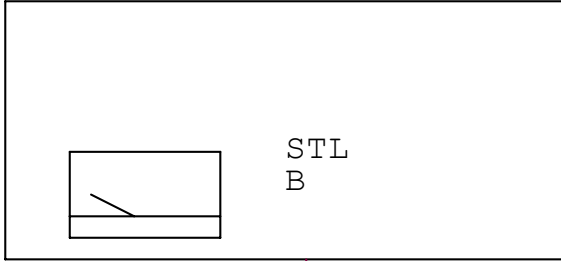
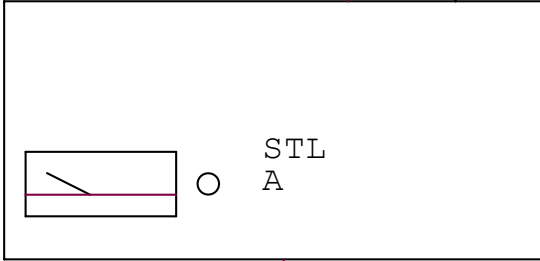
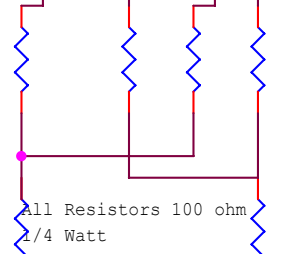
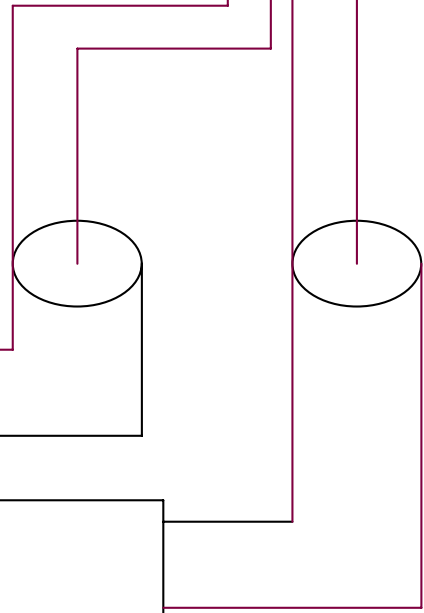
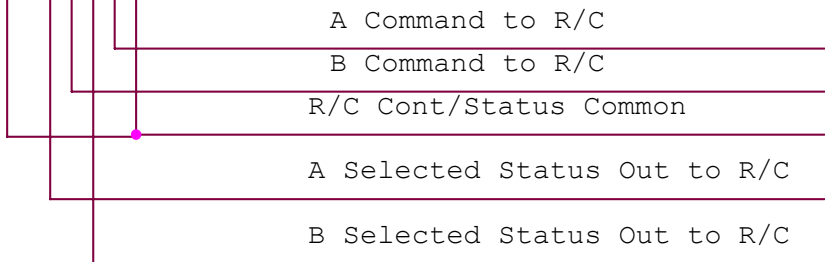
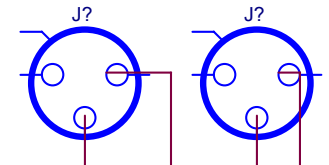
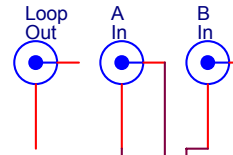
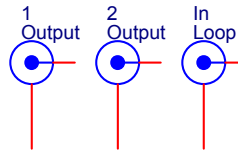
How it Works: Refer to the accompanying the attached simplified block diagram for this discussion. The CDS series switcher is installed to accept up to two composite inputs. In the example two STLs provide the composite sources. The composite outputs can then feed a main and back up transmitter as desired. The CDS series switcher has installed in it the CTD-1 Composite Decoder module which accepts the selected composite input and converts it back to a balanced left and right output. The signals are combined if desired using a simple matrix of six – 100 ohm $\frac{1}{4}$ watt resistors. The combined output is then fed to a Comrex©TCB-2A Auto Coupler which is then connected to a dial up telephone circuit. Any time it is desired to check the health of the selected STL output the Auto Coupler can be dialed and monitored. If a digital back haul is available, the CTD-1 module can be jumper configured in the field for AES3 outputs and a single XLR connection is all that is required for an output from the CDS series switcher.

For any application feel free to call or email us for further information. Telephone – (914) 737-5032 or email us at Techsupport@Broadcast-Devices.com

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**CDS-300 or
302 REMOTE
CONTROL**



Comrex TCB-2A
Auto Coupler



BDI Tech Talk Application Note
CDS-300/302 Application 4
CDS-300/302/Auto Coupler Interface

Call BDI Applications Engineering at (914) 737-5032 or email to:
 TechSupport@Broadcast-Devices.com