

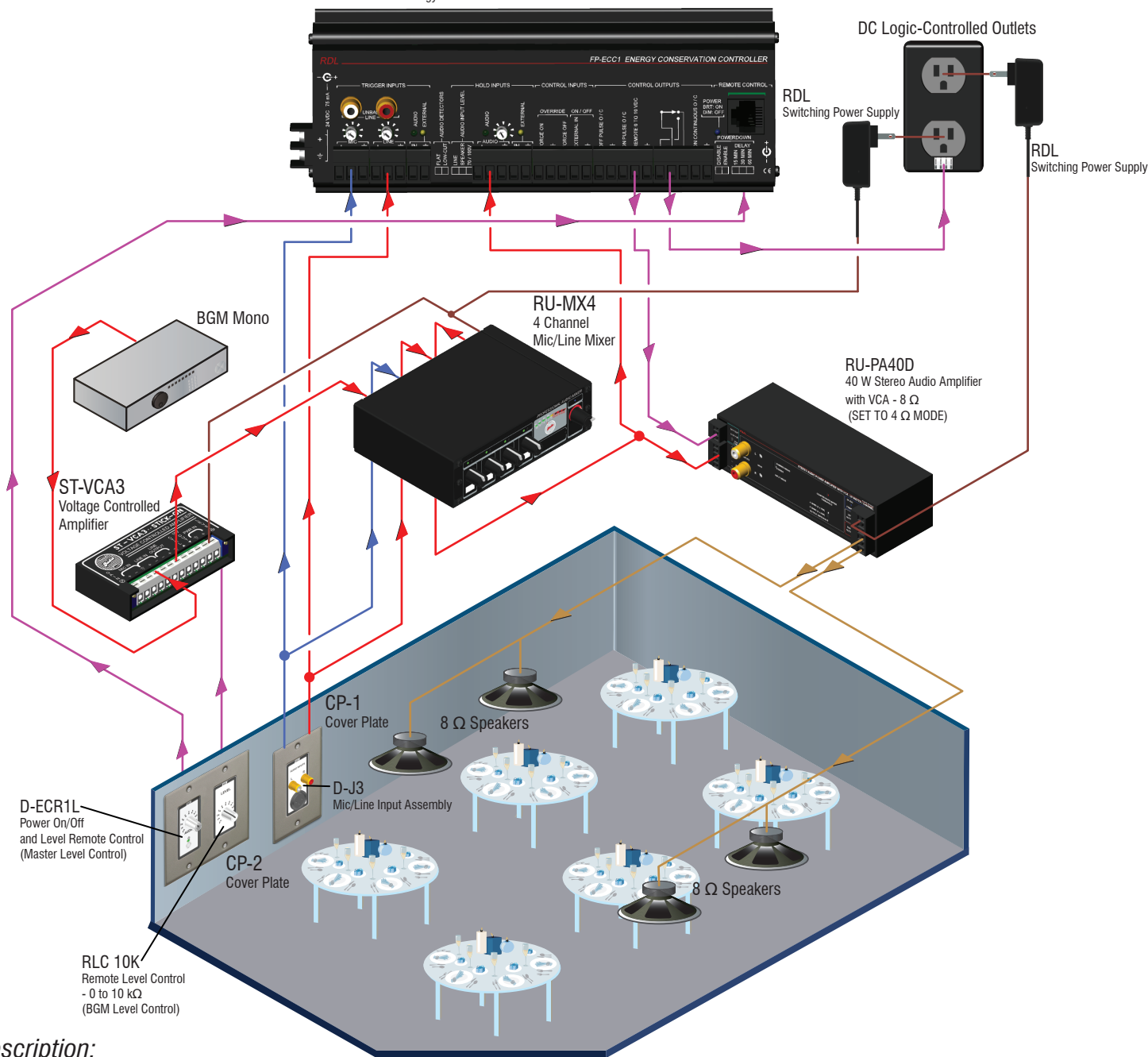
AUTOMATIC CONTROL OF HOTEL AUDIO SYSTEM POWER

Conserve Energy and Simplify Unattended Operation

SYSTEMS SOLUTIONS

AN-2105

FP-ECC1
Energy Conservation Controller



Description:

The RDL FP-ECC1 Energy Conservation Controller automatically powers up the electronics for this hotel meeting room when needed and powers down the equipment when the audio sources are not in use to conserve energy and reduce operating costs.

“Trigger” inputs bridge the mic and/or line level signals from the room to switch the system equipment on. Once on, the presence of a line level signal from the RU-MX4 Mixer at the “hold” input keeps the system powered. After a switch-selectable time period of 15, 30, or 60 minutes with no audio, the FP-ECC1 will turn off the system electronics. No operator intervention is needed to turn the system on or off.

The RLC10K wall control connected to the ST-VCA3 Voltage Controlled Amplifier allow adjustment of background music levels when there is no live event in the room. The D-ECR1L Power On/Off Remote Control allows the system to be manually turned on and/or off. It also provides a system master level control to adjust the volume of the RU-PA40D 40 Watt Stereo Power Amplifier.

Parts List

Product	QTY	Product	QTY
CP-2	1	RLC10K	1
CP-1	2	RU-PA40D	1
D-ECR1L	1	RU-MX4	1
D-J3	1	ST-VCA3	1
FP-ECC1	1		

Recommended Pwr. Supplies

Product	QTY
PS-24AS 24 Vdc 500 mA	2*
RU-PA40D Power Supply	1, included

*The FP-ECC1 must be powered from an unswitched power outlet; supply not pictured.

Line Color Key

Red	Line Level Audio Signal
Brown	Loudspeaker Level
Purple	Control Signal
Yellow	Video
Blue	Mic Level Audio Signal
Green	Ground
Black	Power
Orange	Miscellaneous