



Description:

This example shows how to utilize telephone line (input) ports on an existing KSU to add two zones of paging from the telephone system. The ST-TC1 acts as a virtual phone line when interfaced with a KSU FX port. When either "line" is selected using any phone instrument connected to the KSU, the associated ST-TC1 provides an audio path from the instrument mouthpiece to the paging amplifier. In this example two FP-PA20A 70 volt amplifiers are powering 70 Volt loudspeakers in the two office areas. The ST-TC1 provides relay contact closures when it is activated by a telephone instrument. The relay contacts can be used to provide additional functions when paging is active, including visual indicators or triggering a radio transmitter.

Parts List	
Product	QTY
FP-PA20A	2
ST-TC1	2

Recommended Pwr. Supplies	
Product	QTY
PS-24V3A 24 Vdc 3 A	2

Line Color Key	
—	Line Level Audio Signal
—	Loudspeaker Level
—	Control Signal
—	Video
—	Mic Level Audio Signal
—	Ground
—	Power
—	Miscellaneous