



RDL[®] Radio Design Labs[®]

SPECIALISTS IN PRACTICAL PRECISION ENGINEERING™

STICK-ON[®] SERIES

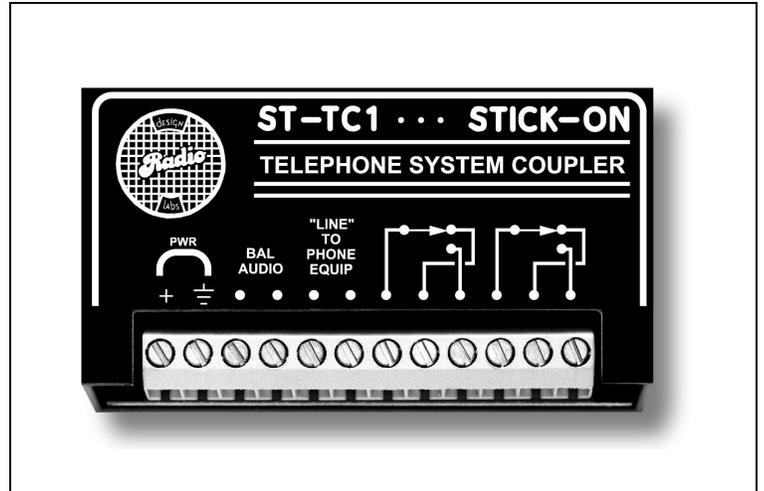
Model ST-TC1

Telephone System Coupler

ANYWHERE YOU NEED...

- To Simulate a Telco CO Line
- To Add Radio Control or Paging to KSU
- Contact Closure when Line is Selected
- Audio Input / Output from Telephone Switching Unit

You Need The ST-TC1!



The ST-TC1 is part of the STICK-ON series from Radio Design Labs. The durable bottom adhesive permits quick, permanent or removable mounting nearly anywhere or it may be used with RDL's racking accessories.

APPLICATION: The ST-TC1 is primarily intended to connect to an on-site telephone system switching (KSU). Connections from the ST-TC1 go into the KSU as if the ST-TC1 was an incoming phone line.

When the KSU seizes the line to the ST-TC1, a relay contact closure is provided which can be used to control a variety of equipment, such as a paging system or radio system. The closure is maintained as long as the line is seized. A 600 Ω transformer-isolated audio feed is available for audio to or from the telephone switching unit. The ST-TC1 will pass DTMF audio from a telephone keypad or other DTMF generating device.

The ST-TC1 may be utilized to add paging zones or a radio system interface to a telephone system. When any instrument in the telephone system picks up the line associated with the ST-TC1, the relay closes to activate the radio or paging function, and the audio spoken into the handset appears at the **BAL AUDIO** terminals. The ST-TC1 can not be connected to a phone line that has ringer voltage present.

The ST-TC1 can be used in conjunction with RDL's ST-VOX1 modules to provide two-way communication. The ST-VOX1 will provide the necessary push-to-talk function to key the two-way communications systems.



STICK-ON® SERIES

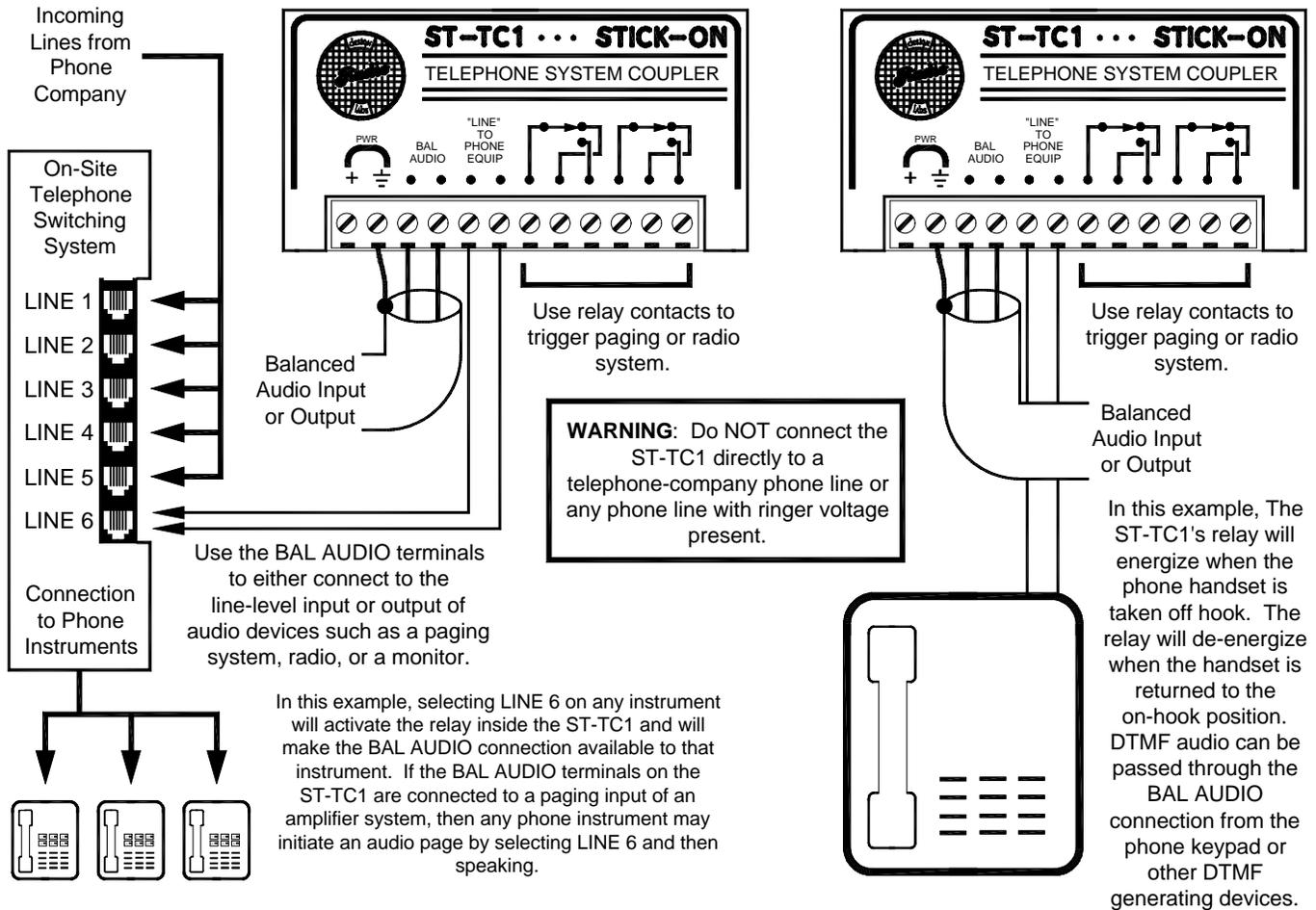
Model ST-TC1

Telephone System Coupler

Installation/Operation



EN55103-1 E1-E5; EN55103-2 E1-E4
 Typical Performance reflects product at publication time exclusive of EMC data, if any, supplied with product. Specifications are subject to change without notice.



TYPICAL PERFORMANCE

Line Connection:
 Audio In/Out Impedance:
 Switching Contacts:
 Max. Switching Power:
 Max. Switching Voltage:
 Max. Switching Current:
 Max. Carrying Current:
 Supply Input:
 Dimensions:

Simulated telco central office line to feed telephone system.
 600 Ω balanced
 Double-pole, Double-throw
 60 W, 125 Vac
 220 Vdc, 250 Vac
 2 amp
 3 amp
 24 to 33 Vdc @ 50 mA, Ground-referenced
 Height: 1.55 in 3.94 cm
 Width: 3.00 in 7.62 cm
 Depth: 0.65 in 1.65 cm

Note:

Do not connect ST-TC1 directly to a telephone-company phone line, or any phone line that has ringer voltage present.

Radio Design Labs Technical Support Centers

U.S.A. (800) 933-1780, (928) 778-3554; Fax: (928) 778-3506

Europe [NH Amsterdam] (+31) 20-6238 983; Fax: (+31) 20-6225-287