



ANSBKUP Backup Amplifier Switcher Installation Sheet

Product description

The ANSBKUP provides a means to switch to a backup amplifier in the event of a primary amplifier failure. One backup amplifier can serve as a backup for several primary amplifiers.

Amplifier outputs are connected at TB2, and speaker field wiring at TB1. Supervisory and 24 Vdc power inputs are provided at TS1. The LED activates when the backup amplifier has been switched in.

All wiring is power-limited.

The ANSBKUP mounts on snap track, or using 5/8-inch nylon standoffs.

The ANSBKUP is compatible with both 25 Vrms and 70 Vrms audio signals.

Specifications

Voltage: 24 Vdc

Current

Standby: 40 mA

Active: 10 mA

Installation instructions

The ANSBKUP is mounted in the same cabinet that houses the primary amplifier. It is designed to be mounted using standard, 3-inch snap track material.

The board also has mounting holes at the corners for standoff mounts where necessary. 5/8-inch nylon standoffs are required.

Terminals and jumpers

Figure 1 shows the position of the terminal and jumper blocks on the ANSBKUP. Table 1 describes the terminal assignments, while Table 2 describes the jumper settings.

Figure 1: Terminal and jumper block positions

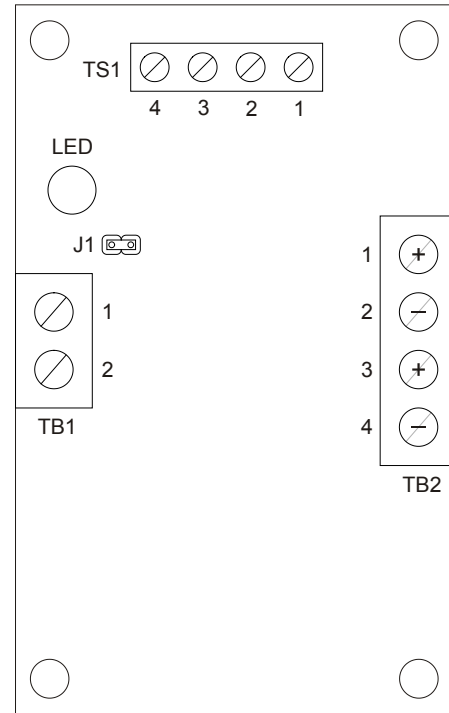


Table 1: Terminal descriptions

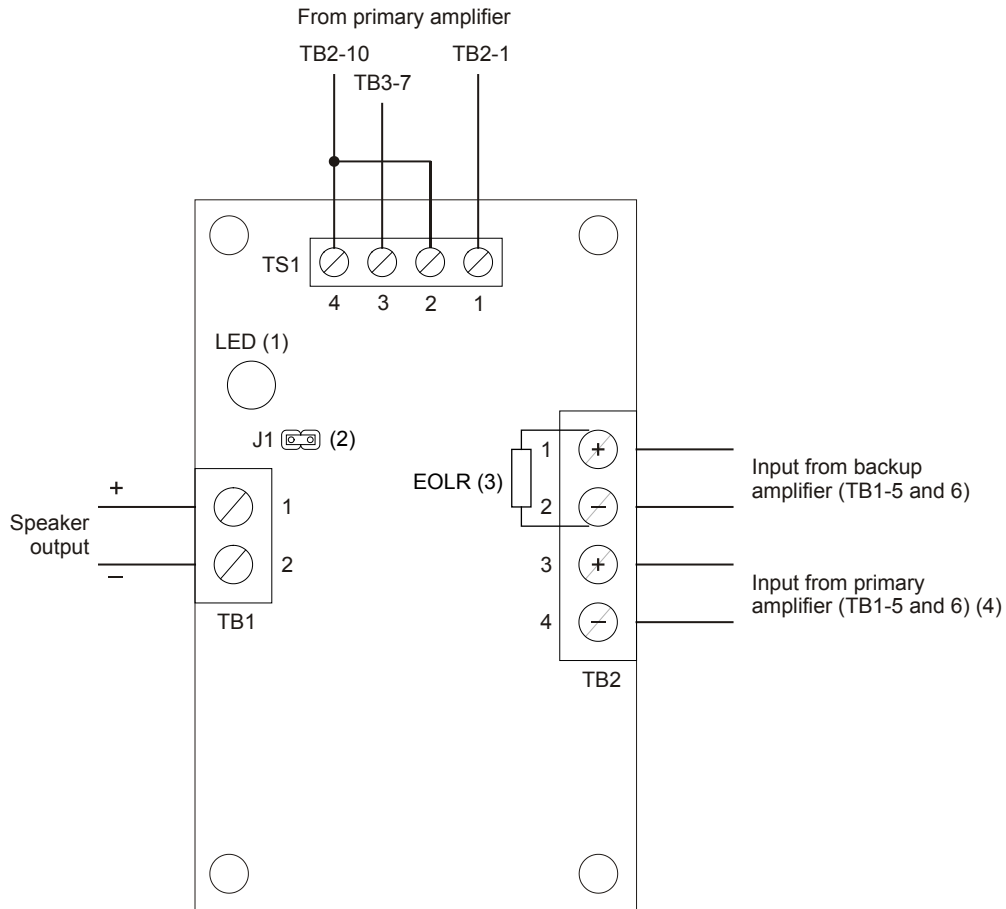
Terminal	Description
TS1-1	Circuit negative
TS1-2	V+ (24 Vdc)
TS1-3	General purpose input
TS1-4	V+ (24 Vdc)
TB1-1 and 2	Audio output
TB2-1 and 2	Audio input from backup amplifier
TB2-3 and 4	Audio input from primary amplifier

Table 2: Jumper settings

Jumper	Setting
J1	With a jumper on J1-1 and 2, TS1-2 and TS1-4 are internally connected. An external wire connecting TS1-2 and TS1-4 is not required.

Wiring diagram

Figure 2: Typical wiring details



- (1) LED activates when backup audio is switched in.
- (2) Install jumper J1 to eliminate TS1-2 to TS1-4 connection.
- (3) Backup amplifier EOLR is required at the ANSBKUP only.
- (4) If the primary amplifier is an ANS25, ANS50, or ANS100, turn DIP switch SN2-5 ON.
If the primary amplifier is an ANS25A, ANS50A, or ANS100A, turn DIP switch SN1-5 ON.