

Tek-ENTRY TekTip: Troubleshooting a two-entrance apartment intercom system

TekTone's PK502B is a dual entrance transfer relay for use with all TekTone apartment intercom systems. It is used primarily to expand single entrances into two or three entrances.

If the system fails to operate properly, check all wiring. If the wiring is correct, check the following:

1. Check trouble shooting points on the amplifier installation instructions.
2. **No buzz** - Check wiring to terminal Z1 and Z2. Note: If more than one PK502B is used, then the entrance #2 buzz wire must connect to all PK502Bs.
3. **No voice communication** - Check wiring to terminals S0, S1, S2, M0, M1 and M2.
4. **No door release** - Check wiring to terminals D0, D1 and D2.
5. **No busy light (if installed)** - Check wiring to terminals Y1 and Y2. Note: If more than one PK502B is used, then the entrance 2 busy light module must connect to all PK502Bs
6. **Busy light (if installed) does not cancel after door release is used** - Check wiring to terminal R. Note: If more than one PK502B is used, then all R terminals must be connected to the amplifier.
7. The PK502B has a built-in test circuit. This step should normally be unnecessary, but to test the PK502B do the following:
 1. Set all programming switches OFF.
 2. The red test light, located behind the wiring connector, should be OFF. If it is ON, wait for 3 minutes for time out, and it should be OFF.
 3. Set programming switch #1 ON. The red test light should be ON.
 4. Set programming switch #2 ON. The red test light should be OFF. Note: In a quiet location, a click may be heard as the internal relay operates.
 5. Set all programming switches OFF. The red test light should remain on for about 2 minutes. It is not necessary to wait for it to go OFF unless busy light trouble is encountered.
 6. Reset programming switches to the desired amplifier setting as shown under TEST step 1. Note: Failure to set the programming switches properly will result in faulty operation.

NOTE: If test circuit fails this procedure, replace PK502B.

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