



CUSTOM SIGNALS

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USING THE BELL-1 WITH THE CUSTOM SIGNALS MODULAR SIGNAL SYSTEM

The BELL-1 connections are pretty much the same as on the original instruction sheet:

1. Connect the + and – POWER from the signal system directly to the BELL-1 as illustrated. If you are using AC, connect the hot to the right POWER terminal and the common to the left POWER terminal. If you are using DC, please connect the positive to the right POWER terminal and the – to the left POWER terminal.
2. Connect the speaker directly to the BELL-1 as illustrated.
3. The key difference is the activation of the BELL-1:

a. If you use the GCF or the BSC Printed Circuit Boards (PCB), you can connect the right switch terminal on the BELL-1 directly to the Dout on either of these Custom Signals' PCBs. The BELL-1 is looking for a collector or LOW output which it will find with any of the Dout connections.

b. If you are using 3-Rail trains, you can also connect the right switch terminal on the BELL-1 to an insulated rail through a 1K ohm current limiting resistor for direct activation. The resistor protects the BELL-1 PCB for being over loaded in case of a derailment. If you need a resistor, you can call Custom Signals.

c. If you are 2-Rail, you can use any of the method on the original sheet. You could also use a current sensing, opto-sensing or photo-sensing detector. This will work as long as it has a LOW or open collector output. Consult your instruction sheet or call Custom Signals.

