



Installation Guide

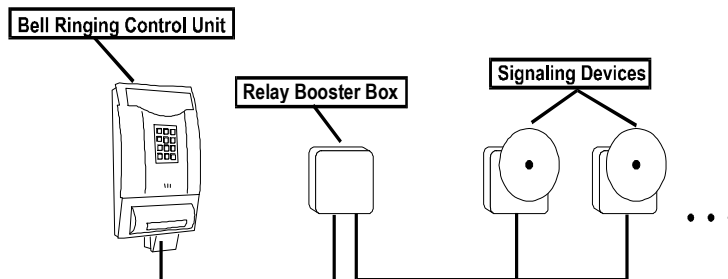
SR501-4 Relay Booster

Relay Booster Installation

For driving signaling devices that require currents in excess of the amount provided by your Lathem Terminal, a **Relay Booster** is needed. The TACO Model SR501-4 relay booster increases the signal produced by the controlling unit allowing it to drive as many as 20 standard bells, so long as the total amperage required does not exceed 8 amps. The Relay Booster default voltage is standard 120VAC.

➤ Installing the SR501-4 Relay Booster

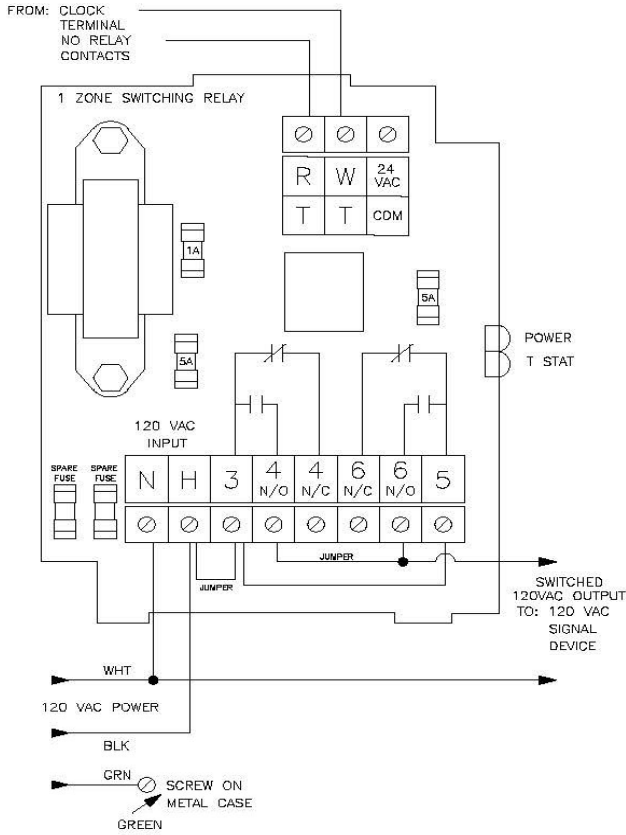
1. Mount the Relay Booster on the wall near your Lathem Terminal.
2. Be sure the power supply from both the Lathem Terminal and the Relay Booster is *not* connected before attempting any further installation.
3. Remove the screws that hold the Relay Booster cover in place and set them aside.
4. Remove the Relay Booster cover to expose the wiring connections.
5. Two wires (not supplied) must connect your Lathem Terminal's bell-ringing module to the Relay Booster (see the Terminal Hardware Manual). At the point labeled 'R/T' on the Relay Booster, loosen the screw, place one of the bell-ringer wires between the screw and connection plate, then re-tighten the screw. Repeat this procedure to connect the other bell-ringer wire to the point labeled 'W/T' on the Relay Booster.
6. Install a Jumper between terminals 'H' and '3' and install a Jumper between terminals '4(N/O)' and '6(N/O)'.
7. Feed the wires through the hole in the bottom of the case and clamp them in place with the Nylon tie provided. Attach the wires going to the signaling device(s) to the screw terminals labeled 'N' and '6(N/O)' inside the Relay Booster.
8. If you are using Low Voltage AC Signaling Devices, a Step-Down Transformer needs to be connected between the Relay Booster and the Signaling Devices.
9. If you are using Low Voltage DC Signaling Devices, a Step-Down Transformer and Diode Bridge need to be connected between the Relay Booster and the Signaling Devices.
10. Replace the Relay Booster cover with the screws that hold it in place. Your installation is complete.



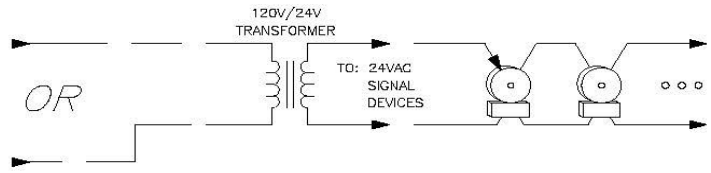
Wiring Diagrams

There are four possible wiring configurations for the SR501-4 Relay Booster. The configuration you choose depends on the power requirements of the signaling devices you plan to control. Each possible configuration is diagramed below.

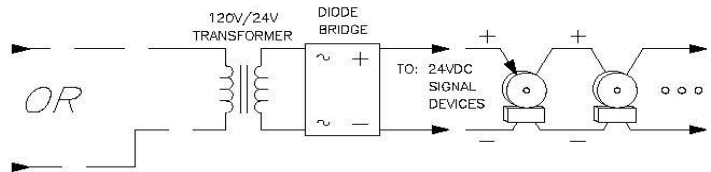
High Voltage AC Bell Wiring



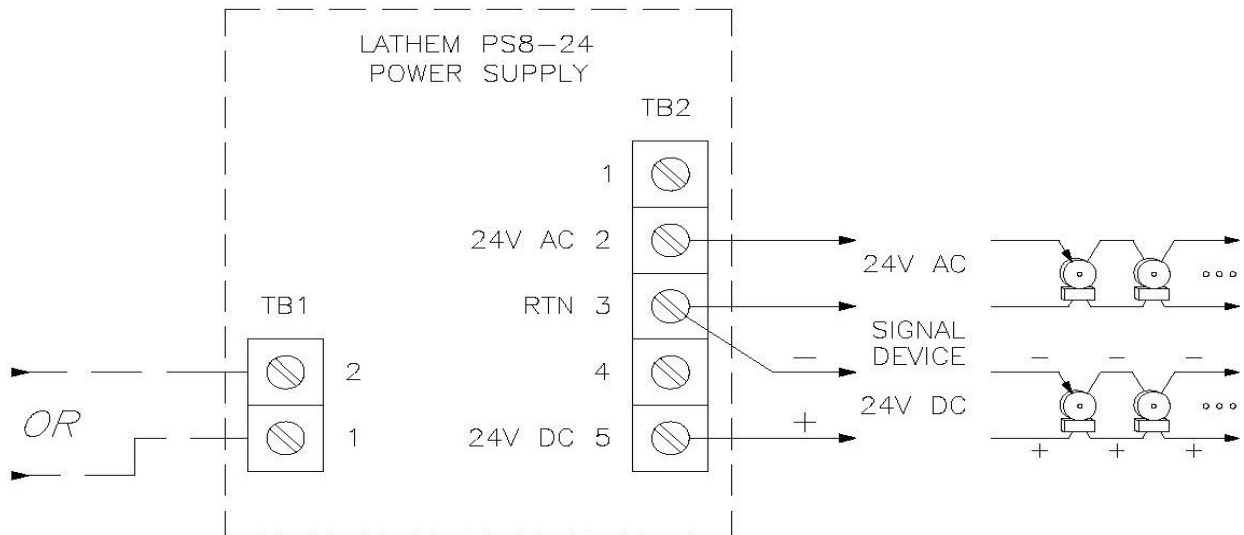
Low Voltage AC Bell Wiring



Low Voltage DC Bell Wiring



Low Voltage AC/DC Bell Wiring



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