



Voice-Call Quick Start

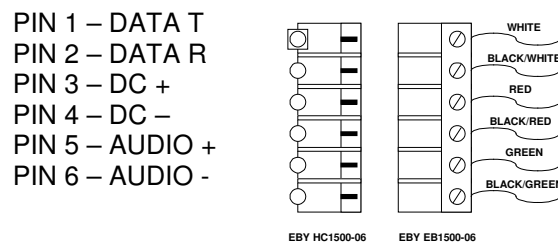
1. The Basic Pieces (what are they?)-

The basic Voice-Call system consists of a Telephone Device (2590TC or 2590TW), the Telephone Interface Master Controller (2590), some quantity of 8 Station Audio Intercom Amplifier (2528), some quantity of Intercom Speaker Station (2021, 2051, 2052, 2055, etc.), and a 12 Volt Power Supply (PS1260).

2. Getting Connected to the Network –

Screw terminals are provided on each intelligent device for connection to the network. The screws are labeled “+” and “-“ for DC Power, “T” and “R” for Transmit/Receive Data connections, and Audio “+” and “-“. On each station in the middle of the system there should be two wires attached to each screw and on the end only one wire to each screw. If there are more than two or none at all, the system will not operate properly.

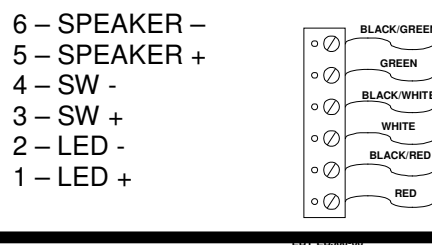
Figure 1.



3. Getting Connected to the Field Devices –

Passive Device Screw Terminals – The terminals labeled SW are normally open contact closure input. The terminals labeled LED + - provide 12 VDC current limited output to power external LED's (lights). Speaker connections are industry standard 25-Volt or 45 ohm. Passive stations are critical on switch polarity. If stations do not function, check polarity of wiring. All Tech Works Control is Active Low Enable.

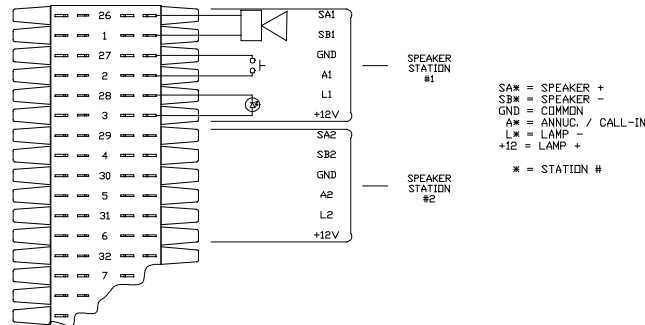
Figure 2.



3. Getting Connected to the Field Devices (continued)–

Passive Device connection to the Amplifier – 2528 High Power Substation can support up to 8 passive speaker stations each having its own call in switch and confirmation light. All connections for passive stations are provided on a 50-pin telephone type connector (Amphenol). A 25 pair telephone cable and a 66-style punch block are recommended for field terminations but not included (must be ordered separately).

Figure 3. Punch Block



4. Programming and Configuration –

1. Connect the 2590 to a PC using the CAT5 Patch Cord and the DB9 Adapter supplied with the 2590.
2. Load the Tech Works 2590 Configuration Utility on to your PC using the CD supplied with the 2590.
3. “Read From” the 2590 the configuration defaults shipped in the unit.
4. “Save” the configuration to your hard drive before continuing.
5. Edit the configuration as desired.
6. “Write” the new configuration to the 2590.
7. Select “Mode” “System Setup” and double click on the station to re-address (this should be the first station for that unit). The screen should change to gray and the station selected should read “Pending”.
8. Press and Hold for 5 seconds the call button of the station to be programmed.
9. The phone will ring. Answer it. You will hear busy beeps until programming is complete. When beeping stops, the audio circuit will connect the telephone to the station and you should be able to talk to the station. Note that with a 2528, all 8 stations are programmed at one time.
10. Hang up the phone and program another station or close the “System Setup” window by clicking “OK”. Note that the station call button will not call the phone until the “System Setup” window is closed.
11. You can now continue programming in the configuration utility or close and exit the program.

5. Before you call for Help –

Please read the owners manual supplied with the 2590. If you misplace the original a copy is included on the CD supplied with the 2590.